POTAIN®

Training Catalog 2025

Tower Cranes – Europe Range

NOTES

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The POTAIN company in a few words

Founded in 1928 by Faustin Potain, POTAIN is the world leader in the production of tower cranes and self-fitting cranes (over 60 types of tower crane).

Potain tower cranes, known worldwide for their hoisting capacities, reliability and innovative designs, are divided into two product lines:

- Self-fitting cranes
- Top-slewing cranes

Self-fitting cranes

Agile and easy to handle, self-fitting cranes (GMA) are especially suitable for residential construction sites. The Potain range of self-fitting cranes, the largest and most innovative on the market, provides the user with the best performance for transport, accessibility, fitting, dismantling and maintenance. The offer includes ranges renowned throughout the world: Igo, Igo M, Igo T, Hup M and EVY.

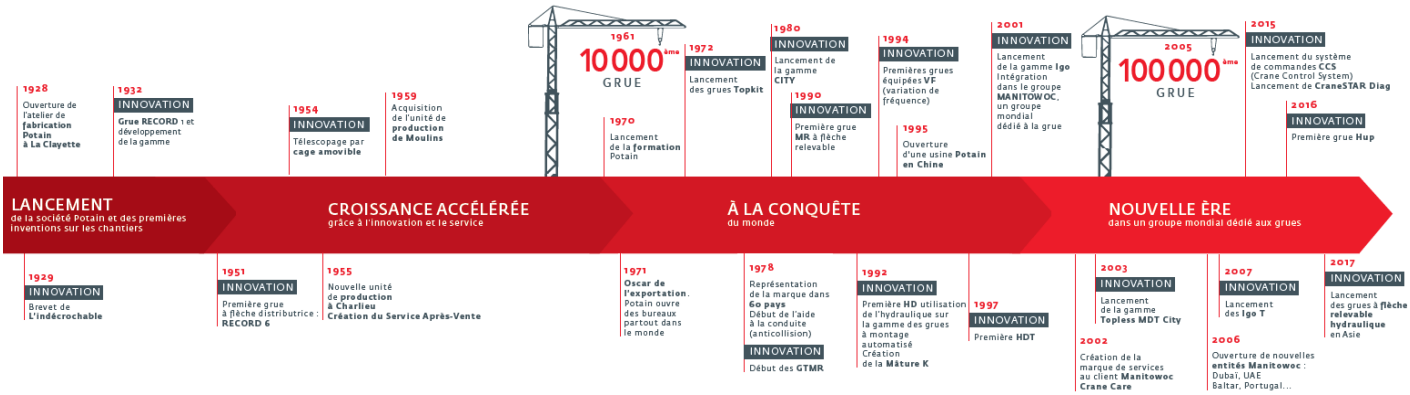
Top-slewing cranes

Top-slewing cranes (GME) are the most strategic equipment in terms of productivity on construction sites. Whether on large infrastructure, high-rise constructions, crowded urban areas or wide open sites, these cranes make it possible to hoist and distribute loads very high and very far. The Potain brand is a global leader with its multiple ranges of MCT and MDT topless cranes, MR, MRH and MCH luffing jib cranes and large MC, MD and MD Maxi hammerhead cranes that can also be customized to match special applications.

While technologies integrated in the cranes continues to progress, it is important to acquire new skills that can improve your control and reduce downtimes.

Whether you are a customer or technician at a dealer's, we provide training that meets your needs. Our objective is to bring you a competitive advantage by increasing your knowledge and skills. To do this, we undertake to constantly improve and develop the training offer we propose.

The training proposed via Manitowoc Crane Care is one of the advantages you benefit from as a Manitowoc customer.



The MANITOWOC Training Center

Aware that knowledge of the fitting, troubleshooting and tools inherent to the use of a crane is of essential for the construction site technicians, the company Potain quickly created its own technical training center with its own GMA (self-fitting cranes) and GME (top-slewing cranes) for its customers in the 1970s at the historic site of La Clayette-Baudemont.

With changes to French regulations and standards in particular, the technical training center expanded to accommodate driving training for crane drivers (CACES®) of mobile cranes and tower cranes.

In 2014 the training center moved from La Clayette-Baudemont in the Saône et Loire department to St Pierre de Chandieu in the Rhône department, to make the training center more accessible. Located close to the city of Lyon and its airport, the training center also invested in its fleet of cranes in order to offer you a range of cranes representative of its know-how.

For strategic reasons, the MANITOWOC POTAIN training center currently only proposes driving training for tower crane drivers, courses for beginners or renewal courses, as well as technical training courses specific to our products.

The MANITOWOC POTAIN training center trains approximately 1,000 people per year, on the driving, fitting, and troubleshooting of POTAIN cranes. Driving training (CACES®) is open to the public, technical training (fitting, troubleshooting) to POTAIN brand customers and dealers.

The training center is equipped with 7 Potain cranes (2 GMEs and 5 GMAs), used for both technical training and driving training. Periodically, we receive new models for a shorter time to provide training on new products to dealers buying their first crane.

MANITOWOC training centers worldwide

Les centres de formation régionnaux :

Une équipe de formateurs satellites est présente pour répondre à vos besoins dans les différentes régions.

Your regional organization contact:

John STEWART	*Australia*	*John.stewart@manitowoc.com*
Gaël VEILLARD	*France, Luxembourg, the Netherlands*	*Gael.veillard@manitowoc.com*
Wybe SMIT	*Scandinavia zone*	*Wybe.smit@manitowoc.com*
Rüdiger BOECK	*Germany*	*Ruediger.Boeck@manitowoc.com*
Siew Khoon CHEAH	*China*	*sk.cheah@manitowoc.com*
Carlos PIMENTA	*Iberia, Israel and French-speaking Africa*	*Carlos.pimenta@manitowoc.com*
JS PARK	*Korea*	*JongSeoung.Park@manitowoc.com*
Andrew YOUSSEF	*Middle East, India, English-speaking Africa*	*Andrew.youssef@manitowoc.com*
Daiane QUINLAN	*United States*	*Daiane.Quinlan@manitowoc.com*
Pier-Domenico RAVERA	*United Kingdom, Ireland*	*Pierdomenico.ravera@manitowoc.com*
Heng Ming WONG	*Asia except China, India and Korea*	*Hengming.wong@manitowoc.com*
Cristian GALAZ	*South America*	*Cristian.galaz@manitowoc.com*
Enrico ANGIOLINI	*Italy, Greece, Mediterranean*	*Enrico.angiolini@manitowoc.com*

Tools available

Equipment available

- 1 training ground with:
  - 7 cranes: IGO 50, IGO T 85 on traveling movement, IGOM24-19, HUP 32-27, MDT 219, MR229, EVY
  - 3 lifts: TCL, Cab'IN
  - 1 self-leveling bench, 1 telescoping bench, 1 training area for working at height
- 2 workshops and 7 technical training benches,
- 6 dedicated classrooms.

Languages spoken

- French, English.
- Other languages with interpreters
- Other languages available in the local sites.

Certification

- ISQ-OPQF Approved
- DataDock approved
- QUALIOPI CN_2020_01759 certified on 02/08/2024
- Member of ASSOCA (Association of CACES-certified organizations [Certification of the Ability to Safely Drive Machines]®)
- Referenced with the Caisse des dépôts for CPF support for CACES®
- SUVA Approved Center (for CACES equivalence® in Switzerland)

Costs

Training costs are noted on each program. Hotels, meal costs and transport are not included and remain your full responsibility. Technical training sessions are not eligible for the CPF because they are qualifying but not certifying (only CACES® are eligible for the CPF).

Equipment

All our training involves outdoor exercises. Please tell your employees that they must take their PPE (personal protective equipment). Refer to the table at the end of the brochure.

Shorts, T-shirts and open shoes are not accepted for training. Long sleeves are mandatory for all troubleshooting stages.

Training location

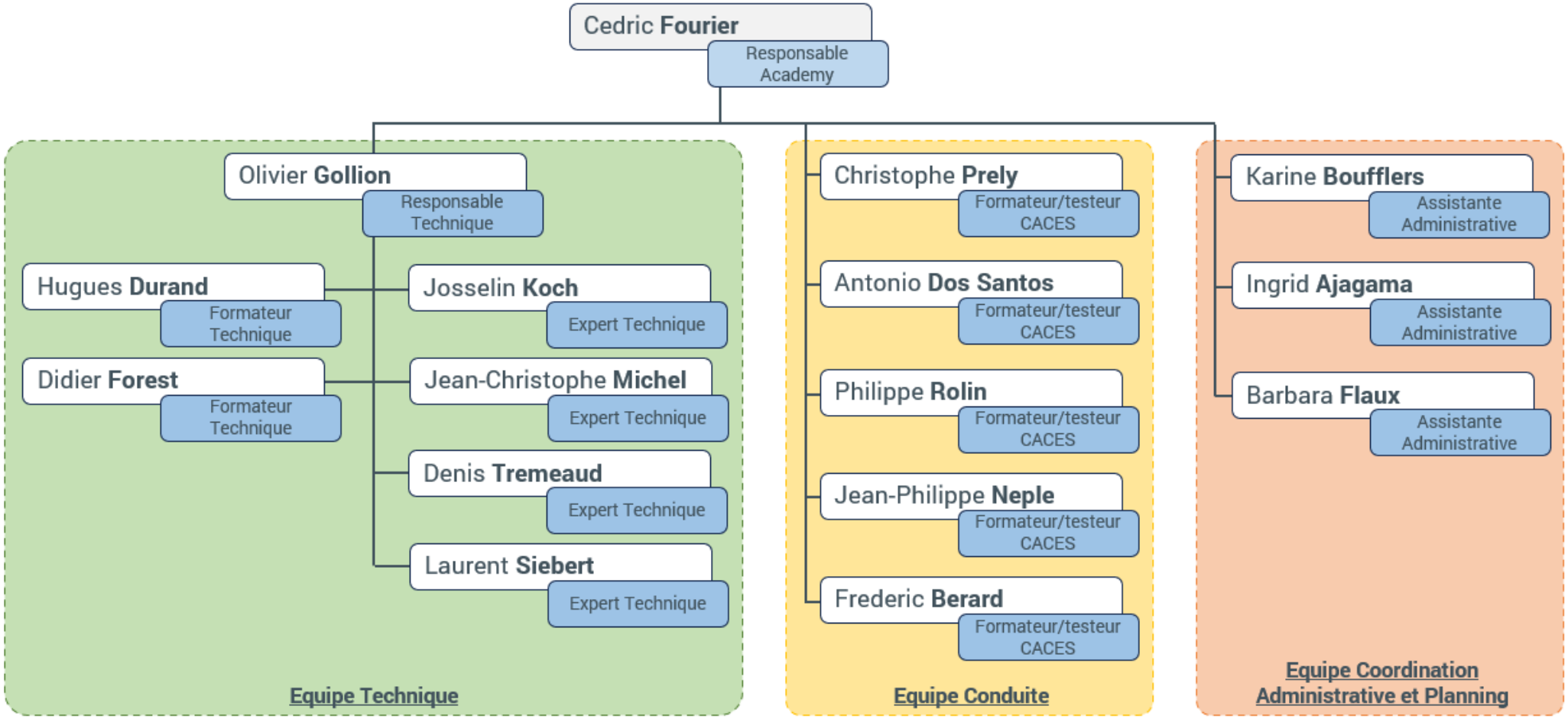
Potain Academy - 5 rue Lavoisier - 69780 Saint Pierre de Chandieu
(near LYON - airport) - Call us on (+33) (0)4 69 85 93 06

Persons with disabilities

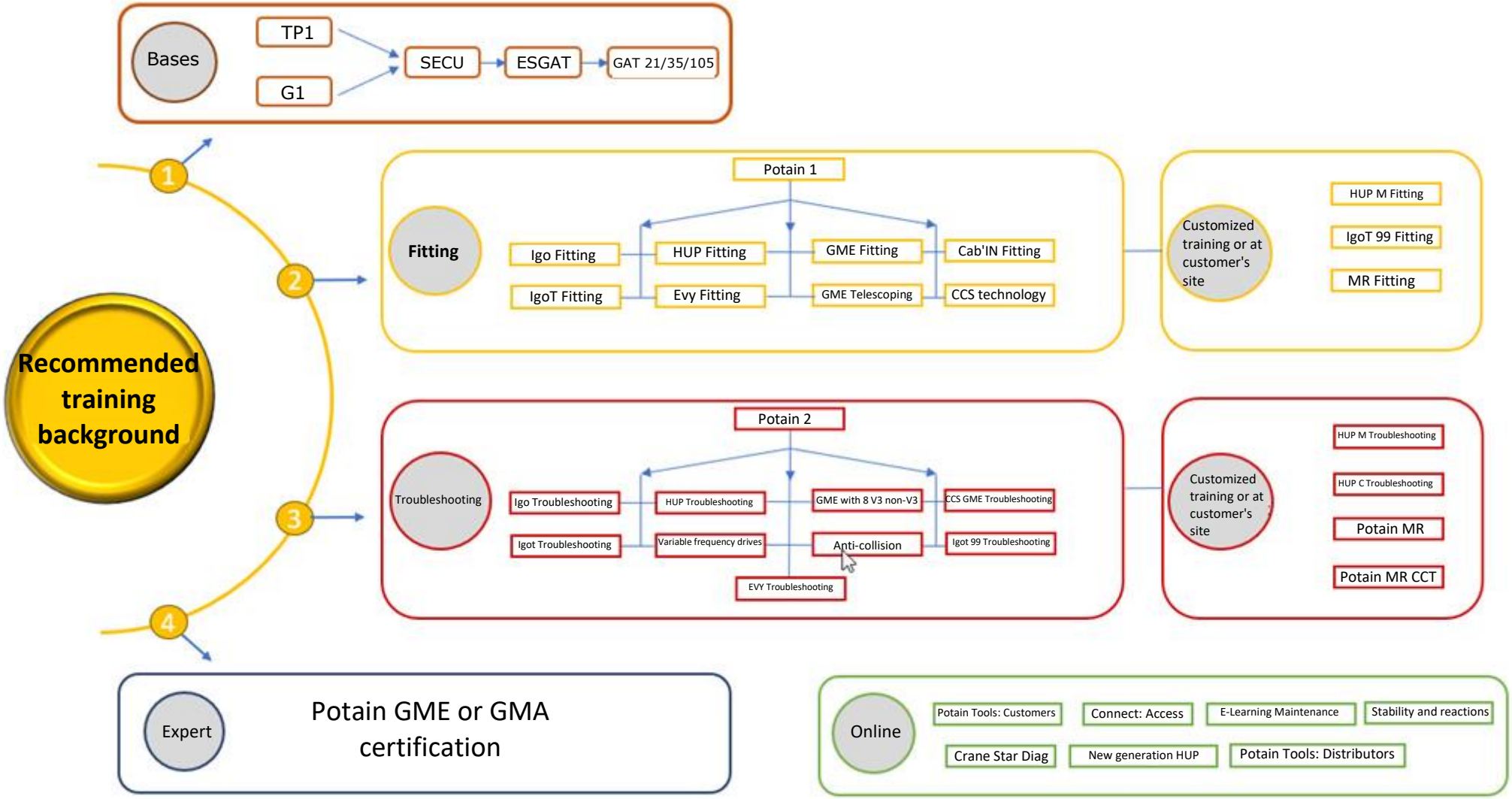
Persons with disabilities or requiring specific support needs must contact us, since our training courses cannot all be adapted to every type of disability.

Premises for teaching purposes, in compliance with the legislation relating to access to persons of reduced mobility. Training ground (practical with cranes) non-compliant. Passable but rough ground.

The Potain Academy Team of St Pierre de Chandieu



Recommended training background



Average registration period

Our training courses are subject to climate constraints, so it is difficult to fix a strict schedule of training dates.
The registration period may therefore vary depending on the type of course chosen and the frequency of the training.
In the interest of training quality, we try to organize training so that everyone can be trained under the best conditions without sharing equipment or resources (sharing cranes, for example). Due to the sensitive sanitary context, we avoid mixing people. Each week is usually organized so that trainees from different training courses cross paths very infrequently.
Some training courses are not scheduled (onsite/job site training for example) because they vary depending on demand.

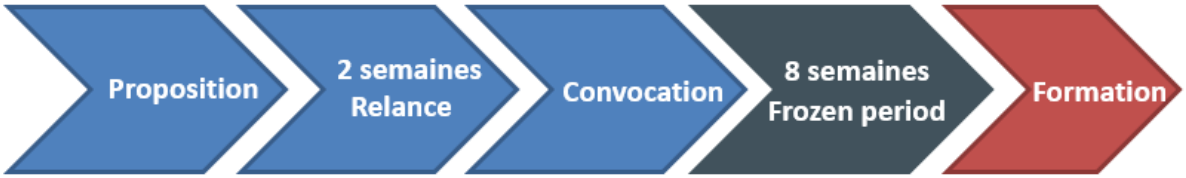
		Number of training sessions per quarter 2025			
Category	**Course**	**1st quarter**	**2nd quarter**	**3rd quarter**	**4th quarter**
BASICS	TP1 7H00	1	2	2	0
	G1 - BASICS	1	0	1	0
	SECU	2	3	0	1
	ESGAT	On request			
	POTAIN 1	2	0	1	1
DRIVING	GAT105	1	2	1	1
	GAT35	1	0	1	1
	GAT21	14	12	9	14
FITTING	IGO FITTING	0	0	1	0
	HUP FITTING	2	1	1	1
	IGO T FITTING	2	1	1	1
	IGO M24-19 FITTING	2	4	0	1
	CAB	0	0	1	0
	CCS TECHNOLOGIES	2	2	0	1
	EVY FITTING	2	1	0	2
	GME TELESCOPING	1	1	1	0
TROUBLESHOOTING	POTAIN 2	1	1	0	1
	IGO TROUBLESHOOTING	0	1	0	0
	HUP TROUBLESHOOTING	1	1	1	1
	IGO T TROUBLESHOOTING	1	0	1	0
	IGO M24-19 TROUBLESHOOTING	0	0	2	1
	IGO T 99 TROUBLESHOOTING	2	1	0	0
	EVY TROUBLESHOOTING	1	1	1	2
	GME “8” V3 and N V3	1	0	1	1
	CCS TROUBLESHOOTING	4	3	1	2
	MR CCT	1	1	0	1
TOOLS	VARIABLE FREQUENCY DRIVES	1	0	0	1
	ANTI-COLLISION	1	1	0	0
	CCS UPDT & HPL	1	1	0	0
TOTAL		50	43	29	33

Potain Academy & Potain e-Academy information

In order to better support its customers and better adapt to local market constraints, Potain is expanding its training business and launching **Potain Academy**. The aim of Potain Academy is to support technicians in improving their skills in order to effectively serve our customers.

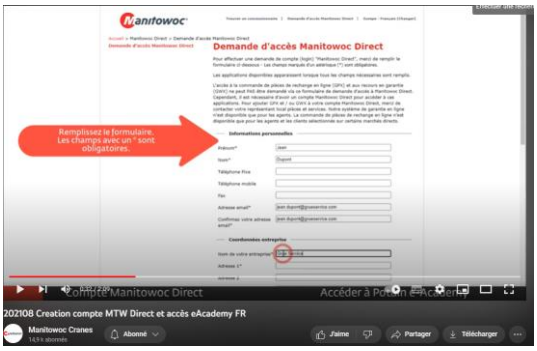
In order to keep our training courses full, and therefore to have a high number of training sessions, we are adapting the steps that come before the training session:

Proposals for participation in training will be sent to the service managers 10 weeks before the training date.
A response is expected within 2 weeks and will result in several re-releases.
The summons is then sent to the trainee and triggers a period of 8 weeks during which no changes can be made (frozen period).
Once the summons has been issued, it is no longer possible to cancel a training (any cancellation will be invoiced).



Potain Academy relies on a digital platform called **Potain e-Academy,** which allows every technician to access the Potain training world.
It allows us to evaluate the prerequisites and acquisition of knowledge of trainees participating in either face-to-face or online training.
It therefore contains accessible and payable online training modules that will be regularly enriched with new training sessions. Our goal is to **make our trainees as independent as possible**, allowing them to access **the most up-to-date theoretical training**, as often as possible.

When accessing Potain e-Academy for the first time, whether for face-to-face or online training, candidates must submit an account creation request using Manitowoc Direct.
To help you, please see this video: https://rebrand.ly/acces-eacademy-en



Once connected to the Potain e-Academy, the trainees will find the documents they need to prepare for their training: Convocation, Attendance Form, Certificate of Completion of Training, etc.

Please note that emails will be sent from the address no-reply@riseup.ai. Make sure that your email system will not treat them as spam.

POTAIN®

Basic training courses

TP1: Introduction to the tower crane

4 or 7 hours – Initiation for support services

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code: 1404-M3-TE-4 (4 hours)
1404-M3-TE-5 (7 hours)

Objectives, audiences and methods

Objectives:

- Acquire general knowledge regarding tower cranes,
- Describe the operation of a tower crane,
- Use the technical vocabulary,
- Identify a crane in the Manitowoc range.

Audience:

For personnel needing knowledge of products to carry out their professional missions as a support service.

Teaching methods:

- Detailed presentations,
- Studies and practical exercises,
- Audiovisual and teaching materials,
- Documentation supplied.

Trainers:

- Christophe PRELY
- Antonio DOS SANTOS
- Philippe ROLIN

Assessment means:

- Dedicated classrooms
- MDT219, MDT269

Accreditation of learning:

- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY *(for 4 or 7 hour formula)*

- Overview of the GME & GMA tower crane product, history, changes,
- The range,
- The conditions of use,
- Safety devices,
- Mechanisms,
- Peripherals,
- New technologies.

PRACTICAL *(for 7 hour formula only)*

- Driving a GME from the cab (subject to medical fitness), on a voluntary basis.
- Driving a GMA with a radio control on the ground.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.

Prerequisite:

- Be declared fit to work by the occupational health doctor.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted).

Eligibility:

- Eligible for OPCO subsidies
- Not eligible for CPF.

Teaching type:

Face-to-face and e-learning*

**If e-learning, no crane driving*

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

0.5 day: 4 hours
1 day: 7 hours

Cost:

Price of the course per person:
- 4 hours: € **299** excl. VAT
- 7 hours: € **523** excl. VAT

Meal package: € **19.50** excl. VAT for the entire course (1 meal)

Languages:

No. of Persons:

8 persons

Targeted level:

Qualification

Related jobs:

Support services for tower crane trades (logistics, sales administration, accounting, manuals, etc.)

Pass rate (2023):

100%

Satisfaction rate:

(2023 by individual questionnaire)
9.58/10

Accessibility:

Adaptation possibility.
Contact us

G1: Tower crane basics

Tower crane technologies – European range

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code: 1404-M3-TE-6

Objectives, audiences and methods

Objectives:

- Operate the tower crane product: understand tower crane technology, respect the safety rules concerning the installation and operation of GME and GMA type cranes.
- Update knowledge of technical innovations related to tower crane mechanisms and structures and knowledge related to "tower crane" regulations.

Audience:

Main persons working as equipment and prevention managers, works drivers, site foremen and in technical support services.

Teaching methods:

- Detailed presentations,
- Studies and practical exercises,
- Audiovisual and teaching materials,
- Documentation supplied.

Trainers:

- Christophe PRELY
- Antonio DOS SANTOS
- Philippe ROLIN

Assessment means:

- Dedicated classrooms
- MDT 219 and MDT 269
- Factory visit if conditions permit

Accreditation of learning:

- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY

- Tower crane range: GME/GMA.
- Stability,
- Load curves,
- Safety features,
- Driving aids,
- Mechanisms,
- Anti-collision.

PRACTICE

- Installation and operation of a crane,
- Presentation of new products,
- Technical visit of a GMA and/or GME by ascent of the crane (on a voluntary basis)
- Visit of POTAIN production factory (if conditions allow)

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.

Prerequisite:

- Be declared fit to work by the occupational health doctor.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted).

Eligibility:

- Eligible for OPCO subsidies
- Not eligible for CPF.

Teaching type:

Face-to-face and e-learning*

**If e-learning, no crane driving*

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

4 days - 28 hours over 5 days

Cost:

Price of the course per person:
- **€ 2,093 excl. VAT**

Meal package: € 58.50 excl. VAT for the entire course (3 meals)

Languages:

No. of Persons:

8 persons

Targeted level:

Qualification

Related jobs:

Support services for tower crane trades (logistics, sales administration, accounting, manuals, etc.)

Pass rate (2023):

100%

Satisfaction rate:

(2023 by individual questionnaire)
9.56/10

Accessibility:

Adaptation possibility
Contact us

Introduction to spare parts

Introduction for spare parts supports services

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆ : (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

Objectives, audiences and methods

Objectives:
- Acquire general knowledge regarding spare parts for tower cranes,
- Locate the components on a tower crane,
- Use the correct spare parts vocabulary

Audience:
Persons handling spare parts

Teaching methods:
- Theory with dedicated and practical training support on latest generation POTAIN GME and GMA and spare parts inventory.

Trainers:
- Stéphane Dumont
- Gérald Lorton
- Julien Vigouroux
- Sébastien Strimberg
- Jean Philippe Debrois
- Manuel Calheiros

Assessment means:
- 5 classrooms with interactive tools.
- Simulation benches
- 5 tower cranes: 2 GME and 3 GMA: Igo 50, Igo T 85, HUP 32-27, MDT 219 and MDT 269.

Accreditation of learning:
- Training for 2 days

Programs

THEORY
- Crane range
- Introduction to the structure
- Mechanisms
- Peripheral devices
- Wire ropes
- Preventive maintenance

PRACTICE
- Visit the driving area to explore the cranes and the structure.
- Visit the Spare Parts store to explore the structure
- Visit the training center to explore the mechanisms and peripherals

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Validation of the management of the training by the company or the funding organization.

Prerequisite:
- Be declared fit for work by a doctor (certificate to be presented before the training).
- Understand and read French or English well.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted)

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier, 69780 St Pierre de Chandieu

Duration:
16 hours – 2 days

Accessibility:
Adaptation possibility.
Contact us

Cost:
- Free

Meal package: € 39 excl. VAT for the entire course (2 meals)

No. of Persons:
8 persons

Related jobs:
- Spare Parts Manager

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
10/10

Languages:

PTO →

SECU

Authorization for working at height – French obligation

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-7

Objectives, audiences and methods

Objectives:
- Acquire the theoretical knowledge necessary to work safely on tower cranes,
- Be able to identify the correct PPE depending on the situation.
- Check and use of PPE, especially the safety harness
- Safely apply the operation procedure.

Audience:
Main persons working on tower cranes (fitters, technicians, checkers).

Trainers:
- Didier FOREST
- Antonio DOS SANTOS

Assessment means:
- Dedicated classrooms
- MDT 219 and MDT 269

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Teaching methods:
- Detailed presentations,
- Studies and practical exercises,
- Audiovisual and teaching materials,

Documentation supplied.

Programs

THEORY
- Risk analysis and accident statistics
- Retrospective of existing PPE
- Checks and use of a safety harness on the ground.

PRACTICE
- Indoor exercise to assess the sensation of being suspended in a harness 20 cm from the ground.
- Outdoor practical exercises:
  - Learning how to climb back on a jib after a fall (exercise 50 cm from the ground)
  - Ascension of a 5-meter mast from outside the mast section in order to learn and master the Prusik knot technique (height from 0 to 5 meters)
  - On the crane, displacements along the jib using the guard ropes (jib length 55 meters, height 35 meters).
  - Study of postures at height for personal protection.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.

Prerequisite:
- Be declared fit to work at heights by the occupational health doctor.
- PPE: Safety shoes, gloves, helmet, high-visibility clothing (shorts not permitted) and safety harness (Individual)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
2 days - 14 hours

Cost:
Price of the course per person:
- **€ 1,046 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals).

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Related jobs:
Cranes fitter, technicians, servicemen, crane checkers.

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.55/10

Accessibility:
Adaptation possibility.
Contact us

E.S. GAT

Slinging and signaling

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE code: 1404-M3-TE-8

Objectives, audiences and methods

Objectives:
- Be able to carry out the load slinging,
- Be able to guide a suspended load.

Audience:
Main persons responsible for slinging and handling loads under the cranes, who already have experience in handling.

Teaching methods:
- In-person teaching,
- Multimedia support and documentation supply.
- Practical exercises with the site tools.

Trainers:
- Christophe PRELY
- Antonio DOS SANTOS
- Didier FOREST
- Philippe ROLIN

Assessment means:
- Dedicated classrooms
- MDT 219 and MDT 269
- Outdoor training bench

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Terminology and technology
- Risks, statistics and accidents
- Slinging rules – SWL

PRACTICE
- Slings: SWL and influence of the slinging angle, sling types,
- Load: center of gravity, choice of handling accessories,
- Slinging: procedure and precautions,
- Maneuvering the loads,
- Command gestures and sound signals,
- Precautions and procedures for safe maneuvering: before maneuvering, at the start of the maneuver, during movement, during drop-off, after the maneuver,
- Practical slinging and guiding exercises with the site tools.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- PPE: Safety shoes, helmet, gloves, high-visibility clothing (shorts not permitted)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
1 day – 7 hours

Cost:
Price of the course per person:
- **€ 523 excl. VAT**

Meal package: **€ 19.50 excl. VAT** for the entire course (1 meal)

Related jobs:
Crane fitters, technicians, servicemen, crane checkers

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
10/10

Accessibility:
Adaptation possibility.
Contact us

GAT105 – CACES® R 487 – Categories 1 and 3

POTAIN®

Initial training for novice GME and GMA crane drivers

Safe driving fitness certificate (CACES) Recommendation 487 category 1: Top-slewing cranes, with saddle jib (GME)
Safe driving fitness certificate (CACES) Recommendation 487 category 3: Self-fitting cranes (GMA)
Certifying body: CNAMTS – RS Codes: 5116 (cat.1) & 5124 (cat.3) - Registration deadline: 02/03/2025

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE code: 1404-M3-TE-1

Objectives, audiences and methods

Objectives:

- Safely drive the GME and GMA tower cranes in cab and/or on the ground with radio control.
- Be able to drive the crane with no load swinging.

Audience:

Main persons wanting to drive tower cranes, put them into service, or troubleshoot them.

Teaching methods:

- Theory with dedicated and practical training support on GME and GMA POTAIN latest generation & driving simulator.

CACES® recognized in Switzerland by SUVA.

Trainers:

- Christophe PRELY
- Antonio DOS SANTOS
- Philippe ROLIN

Assessment means:

- 5 classrooms with interactive tools.
- 5 tower cranes: 2 GME: MDT 219 and MDT 269 and 3 GMA: Igo 50, Igo T 85, HUP 32-27.

Accreditation of learning:

- Training for 13 days, 2 days of examinations
- Theoretical examination: 1h 30min, collective
- Practical exam: 1 hour per option (Ground or Cab), 30 mins for traveling movement, per person.
- Issuance of the CACES® R487 if the results are positive or an individual evaluation form if the results are negative.

Programs

THEORY

- Role and responsibilities of the crane driver,
- Installation of the crane, its functions,
- Driver's stand,
- Communication with staff on the ground,
- Operating characteristics (load curves, stress and movement limiters, rope reeving),
- Operating rules (wind, prevention rules, beginning and end of shift, prohibited maneuvers, periodic checks),
- Study of the mechanisms and maintenance,
- Electrical current (device and safety devices),

PRACTICE

- Slinging techniques,
- Site organization,
- Intensive driving practice to manage load swinging.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Validation of the management of the training by the company or the funding organization.

Prerequisite:

- Be declared fit for work by a doctor (certificate to be presented before the training).
- Understand and read French well, and have a good grasp of basic calculation rules.
- Basic mathematics
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted) and gloves.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

105 hours – 15 days – 3 weeks

Languages:

Accessibility:

Adaptation possibility.
Contact us

No. of Persons:

6 persons

Targeted level:

Certification

Related jobs:

- Crane driver
- Maneuvering and driving site equipment and handling.

Pass rate (2023):

Cat. 1: 94.6% Cat. 2: -
Cat. 3: 94.6%

Satisfaction rate:

(2023 by individual questionnaire)
9.6/10

Renewal every 5 to 10 years

PTO →

Available options:

- GME Cab
- GMA Ground
- GMA traveling movement.

- These options, in compliance with the new recommendation R487, allow the use of cranes, regardless of their configuration, with the driving authorization of the company manager. Thus, with these options, the crane driver can drive the GMA in the Cab, the GME on the Ground and the GME in traveling movement.

Eligibility:

- Eligible for OPCO subsidies
- Eligible for the CPF.

Cost:

Price of the course per person:

- GME CAB + GMA GROUND	**€ 6,440 excl. VAT**
- GME CAB GROUND opt + GMA GROUND CAB opt	**€ 6,961 excl. VAT**
- TRAVELING MOVEMENT (surcharge)	**€ 772 excl. VAT**

Cost of the CACES® test included

Meal package: **€ 292.50 excl. VAT** for the entire course (15 meals)

What is the new recommendation R487 for the CACES®

In accordance with the new recommendation, it is no longer possible to take only the GME Ground and GMA Cab options. These are options that can be taken together when you take the basic option. Thus, if you want the GME Ground you will have to take the GME Cab+ground. For the GMA cab you will have to pass the GMA Ground+cab.

The driving authorization is **THE** legal document that the employer must give. The Caces® R487 tower crane is a recommendation that enables the employer to justify an employee's training in driving tower cranes. It does not substitute their responsibility for this, in the event of a problem that has occurred on a job site. The Caces® certifies the employee's training. The driving authorization authorizes the employee to use their driving skills. The two documents are complementary.

The CACES® issued when the examinations have been successfully passed is the model recommended by the INRS. The reading is not intuitive. Only the options assessed by the Tester are reported on the card.

With the possibility of a driving authorization at equivalent levels, it is possible to take only two options and be able to drive the 4 configurations. In fact, with a CACES® GME Cab and GMA Ground, the employer can issue a driving authorization opening the right to drive the GME Ground (since remote control driving was studied in GMA) and GMA Cab (since cab driving was studied in GME). These two options will not appear on the CACES® because they are not assessed by our testers and will be authorized by the Head of the Institution.

Traveling movement is an option in its own right. It is not a question of GME traveling movement or GMA traveling movement. Regardless of the fitted crane on the traveling movement, it is the use of this rail track that is taken into consideration during the test.

What is changing on the new CACES® R487?

The new CACES® relies on an increased general knowledge (the overall passmark is now 70% AND at least 50% is required for each of the modules).

The stationed crane driver must know how to handle (and use) crane lifts as well as state-of-the-art technologies (CCS, as we call them). The practical test is timed. If the candidate goes over time, they fail the test.

The crane driver MUST understand French. Each question can be read once, but they will not be repeated and it is not possible for a translator to be present during the examination.

The validity of the practical part may be extended by an additional 5 years on the driving authorization of the manager of the company employing the crane driver (i.e. a validity of 10 years). In this case, only the theory will have to be reviewed after 5 years.

GAT35 – CACES® R 487 – Categories 1 and 3

In-depth renewal for Crane driver holding a GME/GMA CACES

Safe driving fitness certificate (CACES) Recommendation 487 category 1: Top-slewing cranes, with saddle jib (GME)
Safe driving fitness certificate (CACES) Recommendation 487 category 3: Self-fitting cranes (GMA)
Certifying body: CNAMTS – RS Codes: 5116 (cat.1) & 5124 (cat.3) - Registration deadline: 02/03/2025

Contact:

@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:

Cédric Fourier
CPNE Code: 1404-M3-TE-3

Objectives, audiences and methods

Objectives:

- To bring theoretical and practical supplements to certify the experienced crane drivers on the GME and GMA tower cranes (having previously passed a driving training course, CACES®).

Audience:

Experienced crane drivers needing some refresher training.

Teaching methods:

- Theory with dedicated and practical training support on GME and GMA POTAIN latest generation & driving simulator.

CACES® recognized in Switzerland by SUVA.

Trainers:

- Christophe PRELY
- Antonio DOS SANTOS
- Philippe ROLIN

Assessment means:

- 5 classrooms with interactive tools.
- 5 tower cranes: Igo 50, Igo T 85, HUP 32-27, MDT 219 and MDT 269.

Accreditation of learning:

- Training for 4 days, 1 day of examinations
- Theoretical examination: 1h 30min, collective.
- Practical exam: 1 hour per option (Ground or Cab), 30 mins for traveling movement, per person.
- Issuance of the CACES® R487 if the results are positive or an individual evaluation form if the results are negative.

Programs

THEORY

- Role and responsibilities of the crane driver,
- Installation of the crane, its functions,
- Driver's stand,
- Communication with staff on the ground,
- Operating characteristics (load curves, stress and movement limiters, rope reeving),
- Operating rules (wind, prevention rules, beginning and end of shift, prohibited maneuvers, periodic checks),
- Study of the mechanisms and maintenance,
- Electrical current (device and safety devices),

PRACTICE

- Slinging techniques,
- Site organization,
- Intensive driving practice to manage load swinging.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Former CACES® or certificate justifying initial training in the driving of tower cranes.
- Validation of the management of the training by the funding organization.

Prerequisite:

- Be declared fit for work by a doctor (certificate to be presented before the training).
- Understand and read French well, and have a good grasp of basic calculation rules.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted) and gloves.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

35 hours – 5 days – 1 week

Languages:

Accessibility:

Adaptation possibility.
Contact us

No. of Persons:

4 persons

Targeted level:

Certification

Related jobs:

- Crane driver
- Maneuvering and driving site equipment and handling.

Pass rate (2023):

Cat. 1: 94.6% Cat. 2: 100%
Cat. 3: 94.6%

Satisfaction rate:

(2023 by individual questionnaire)
9.20/10

Renewal every 5 to 10 years

PTO →

Available options:

- GME Cab
- GMA Ground
- GMA traveling movement.

- These options, in compliance with the new recommendation R487, allow the use of cranes, regardless of their configuration, with the driving authorization of the company manager. Thus, with these options, the crane driver can drive the GMA in the Cab, the GME on the Ground and the GME in traveling movement.

Eligibility:

- Eligible for OPCO subsidies
- Eligible for the CPF.

Cost:

Price of the course per person:

- GME CAB + GMA GROUND **€ 2,888 excl. VAT**
- GME CAB GROUND opt + GMA GROUND CAB opt **€ 3,120 excl. VAT**
- TRAVELING MOVEMENT (surcharge) **€ 772 excl. VAT**

Cost of the CACES® test included

Meal package: **€ 97.50 excl. VAT** for the entire course (5 meals)

What is the new recommendation R487 for the CACES®

In accordance with the new recommendation, it is no longer possible to take only the GME Ground and GMA Cab options. These are options that can be taken together when you take the basic option. Thus, if you want the GME Ground you will have to take the GME Cab+ground. For the GMA cab you will have to pass the GMA Ground+cab.

The driving authorization is **THE** legal document that the employer must give. The Caces® R487 tower crane is a recommendation that enables the employer to justify an employee's training in driving tower cranes. It does not substitute their responsibility for this, in the event of a problem that has occurred on a job site. The Caces® certifies the employee's training. The driving authorization authorizes the employee to use their driving skills. The two documents are complementary.

The CACES® issued when the examinations have been successfully passed is the model recommended by the INRS. The reading is not intuitive. Only the options assessed by the Tester are reported on the card.

With the possibility of a driving authorization at equivalent levels, it is possible to take only two options and be able to drive the 4 configurations. In fact, with a CACES® GME Cab and GMA Ground, the employer can issue a driving authorization opening the right to drive the GME Ground (since remote control driving was studied in GMA) and GMA Cab (since cab driving was studied in GME). These two options will not appear on the CACES® because they are not assessed by our testers and will be authorized by the Head of the Institution.

Traveling movement is an option in its own right. It is not a question of GME traveling movement or GMA traveling movement. Regardless of the fitted crane on the traveling movement, it is the use of this rail track that is taken into consideration during the test.

What is changing on the new CACES® R487?

The new CACES® relies on an increased general knowledge (the overall passmark is now 70% AND at least 50% is required for each of the modules).

The stationed crane driver must know how to handle (and use) crane lifts as well as state-of-the-art technologies (CCS, as we call them). The practical test is timed. If the candidate goes over time, they fail the test.

The crane driver MUST understand French. Each question can be read once, but they will not be repeated and it is not possible for a translator to be present during the examination.

The validity of the practical part may be extended by an additional 5 years on the driving authorization of the manager of the company employing the crane driver (i.e. a validity of 10 years). In this case, only the theory will have to be reviewed after 5 years.

GAT21 – CACES® R 487 - *Categories 1 and 3*

POTAIN®

Renewal – GME/GMA tower crane

Safe driving fitness certificate (CACES) Recommendation 487 category 1: Top-slewing cranes, with saddle jib (GME)
Safe driving fitness certificate (CACES) Recommendation 487 category 3: Self-fitting cranes (GMA)
Certifying body: CNAMTS – RS Codes: 5116 (cat.1) & 5124 (cat.3) - Registration deadline: 02/03/2025

Contact:

@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:

Cédric Fourier

CPNE Code: 1404-M3-TE-2

Objectives, audiences and methods

Objectives:

- To bring theoretical and practical supplements to certify the experienced crane drivers on the GME and GMA tower cranes.

Audience:

Main persons wanting to drive tower cranes, put them into service, or troubleshoot them.

Teaching methods:

- Theory with dedicated and practical training support on GME and GMA POTAIN latest generation & driving simulator.

CACES® recognized in Switzerland by SUVA.

Trainers:

- Christophe PRELY
- Antonio DOS SANTOS
- Philippe ROLIN

Assessment means:

- 5 classrooms with interactive tools.
- 5 tower cranes: Igo 50, Igo T 85, HUP 32-27, MDT 219 and MDT 269.

Accreditation of learning:

- Training for 1.5 days, 1.5 days of examinations
- Theoretical examination: 1h 30min, collective.
- Practical exam: 1 hour per option (Ground or Cab), 30 mins for traveling movement, per person.
- Issuance of the CACES® R487 if the results are positive or an individual evaluation form if the results are negative.

Programs

THEORY

- Role and responsibilities of the crane driver,
- Installation of the crane, its functions,
- Driver's stand,
- Communication with staff on the ground,
- Operating characteristics (load curves, stress and movement limiters, rope reeving),
- Operating rules (wind, prevention rules, beginning and end of shift, prohibited maneuvers, periodic checks),
- Study of the mechanisms and maintenance,
- Electrical current (device and safety devices),

PRACTICE

- Slinging techniques,
- Site organization,
- Intensive driving practice to manage load swinging.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Former CACES® or certificate justifying initial training in the driving of tower cranes.
- Validation of the management of the training by the funding organization.

Prerequisite:

- Be declared fit for work by a doctor (certificate to be presented before the training).
- Understand and read French well, and have a good grasp of basic calculation rules.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted) and gloves.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier, 69780 St Pierre de Chandieu

Duration:

3 days - 21 hours over 3 days

Languages:

Accessibility:

Adaptation possibility.
Contact us

No. of Persons:

3 persons

Targeted level:

Certification

Related jobs:

- Crane driver
- Maneuvering and driving site equipment and handling.

Pass rate (2023):

Cat. 1: 94.6% Cat. 2:
Cat. 3: 94.6%

Satisfaction rate:

(2023 by individual questionnaire)
9.938/10

Renewal every 5 to 10 years

PTO →

Available options:

- GME Cab
- GMA Ground
- GMA traveling movement.

- These options, in compliance with the new recommendation R487, allow the use of cranes, regardless of their configuration, with the driving authorization of the company manager. Thus, with these options, the crane driver can drive the GMA in the Cab, the GME on the Ground and the GME in traveling movement.

Eligibility:

- Eligible for OPCO subsidies
- Eligible for the CPF.

Cost:

Price of the course per person:

- GME CAB + GMA GROUND **€ 1,825 excl. VAT**
- GME CAB GROUND opt + GMA GROUND CAB opt **€ 1,971 excl. VAT**
- TRAVELING MOVEMENT (surcharge) **€ 772 excl. VAT**

Cost of the CACES® test included

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

What is the new recommendation R487 for the CACES®

In accordance with the new recommendation, it is no longer possible to take only the GME Ground and GMA Cab options. These are options that can be taken together when you take the basic option. Thus, if you want the GME Ground you will have to take the GME Cab+ground. For the GMA cab you will have to pass the GMA Ground+cab.

The driving authorization is **THE** legal document that the employer must give. The Caces® R487 tower crane is a recommendation that enables the employer to justify an employee's training in driving tower cranes. It does not substitute their responsibility for this, in the event of a problem that has occurred on a job site. The Caces® certifies the employee's training. The driving authorization authorizes the employee to use their driving skills. The two documents are complementary.

The CACES® issued when the examinations have been successfully passed is the model recommended by the INRS. The reading is not intuitive. Only the options assessed by the Tester are reported on the card.

With the possibility of a driving authorization at equivalent levels, it is possible to take only two options and be able to drive the 4 configurations. In fact, with a CACES® GME Cab and GMA Ground, the employer can issue a driving authorization opening the right to drive the GME Ground (since remote control driving was studied in GMA) and GMA Cab (since cab driving was studied in GME). These two options will not appear on the CACES® because they are not assessed by our testers and will be authorized by the Head of the Institution.

Traveling movement is an option in its own right. It is not a question of GME traveling movement or GMA traveling movement. Regardless of the fitted crane on the traveling movement, it is the use of this rail track that is taken into consideration during the test.

What is changing on the new CACES® R487?

The new CACES® relies on an increased general knowledge (the overall passmark is now 70% AND at least 50% is required for each of the modules).

The stationed crane driver must know how to handle (and use) crane lifts as well as state-of-the-art technologies (CCS, as we call them). The practical test is timed. If the candidate goes over time, they fail the test.

The crane driver MUST understand French. Each question can be read once, but they will not be repeated and it is not possible for a translator to be present during the examination.

The validity of the practical part may be extended by an additional 5 years on the driving authorization of the manager of the company employing the crane driver (i.e. a validity of 10 years). In this case, only the theory will have to be reviewed after 5 years.

GAT35 – CACES® R 487 Category 2

POTAIN®

Initial training for novice crane drivers with luffing jib cranes (MR) – Category 2

Safe driving fitness certificate (CACES) Recommendation 487 category 2: Top-slewing cranes, with luffing jib
Certifying body: CNAMTS – RS Code: 5113 - Registration deadline: 02/03/2025

Contact:

@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 92 20

Teaching manager:

Cédric FOURIER

CPNE Code:

Objectives, audiences and methods

Objectives:

- Safely drive MR tower cranes (Cranes with luffing jib) in the cab.
- Be able to drive the crane with no load swinging.

Audience:

Main persons wanting to drive tower cranes with luffing jibs, put them into service, or troubleshoot them. They must already hold category I CACES (GME).

Teaching methods:

- Theory with dedicated and practical training support on latest generation POTAIN MR.

CACES® recognized in Switzerland by SUVA.

Trainers:

- Christophe PRELY
- Philippe ROLIN

Assessment means:

- 5 classrooms with interactive tools.
- 1 MR229 tower crane

Accreditation of learning:

- Training for 4 days, 1 day of examinations
- Theoretical examination: 1h 30min, collective.
- Practical exam: 1h 30min per person.
- Issuance of the CACES® R487 if the results are positive or an individual evaluation form if the results are negative.

Programs

THEORY

- Role and responsibilities of the crane driver,
- Installation of the crane, its functions,
- Driver's stand,
- Communication with staff on the ground,
- Operating characteristics (load curves, stress and movement limiters, rope reeving),
- Operating rules (wind, prevention rules, beginning and end of shift, prohibited maneuvers, periodic checks),
- Study of the mechanisms and maintenance,
- Electrical current (device and safety devices),

PRACTICE

- Slinging techniques,
- Site organization,
- Intensive driving practice to manage load swinging.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Validation of the management of the training by the funding organization.

Prerequisite:

- Holder of a valid CACES Category 1 (Horizontal jib GME).
- Be declared fit for work by a doctor (certificate to be presented before the training).
- Understand and read French well, and have a good grasp of basic calculation rules.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted) and gloves.

Languages:

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

5 days - 35 hours

Accessibility:

Adaptation possibility.
Contact us

No. of Persons:

3 persons

Targeted level:

Certification

Related jobs:

- Crane driver
- Maneuvering and driving site equipment and handling.

Renewal every 5 to 10 years

PTO →

Available options:

- MR Cab GME

- These options, in compliance with the new recommendation R487, allow the use of MR cranes (luffing jibs), regardless of their configuration, with the driving authorization of the company manager.

Eligibility:

- Eligible for OPCO subsidies
- Eligible for the CPF

Cost:

Price of the course per person:

- MR CAB GME	**€ 3,080 excl. VAT**
- TRAVELING MOVEMENT (surcharge)	**€ 772 excl. VAT**

Cost of the CACES® test included

Meal package: **€ 97.50 excl. VAT** for the entire course (5 meals)

What is the new recommendation R487 for the CACES®

The driving authorization is **THE** legal document that the employer must give. The Caces® R487 tower crane is a recommendation that enables the employer to justify an employee's training in driving tower cranes. It does not substitute their responsibility for this, in the event of a problem that has occurred on a job site. The Caces® certifies the employee's training. The driving authorization authorizes the employee to use their driving skills. The two documents are complementary.

The CACES® issued when the examinations have been successfully passed is the model recommended by the INRS. The reading is not intuitive. Only the options assessed by the Tester are reported on the card.

What is changing on the new CACES® R487?

The new CACES® relies on an increased general knowledge (the overall passmark is now 70% AND at least 50% is required for each of the modules).

The stationed crane driver must know how to handle (and use) crane lifts as well as state-of-the-art technologies (CCS, as we call them). The practical test is timed. If the candidate goes over time, they fail the test.

The crane driver MUST understand French. Each question can be read once, but they will not be repeated and it is not possible for a translator to be present during the examination.

The validity of the practical part may be extended by an additional 5 years on the driving authorization of the manager of the company employing the crane driver (i.e. a validity of 10 years). In this case, only the theory will have to be reviewed after 5 years.

GAT21 – CACES® R 487 *Category 2*

Renewal – Tower crane with luffing jib (MR) – Category 2

Safe driving fitness certificate (CACES) Recommendation 487 category 2: Top-slewing cranes, with luffing jib
Certifying body: CNAMTS – RS Code: 5113 - Registration deadline: 02/03/2025

Contact:

@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 92 20

Teaching manager:

Cédric FOURIER

CPNE Code:

Objectives, audiences and methods

Objectives:

- To bring theoretical and practical supplements to certify the experienced crane drivers on the GME MR tower cranes.

Audience:

Main persons wanting to drive tower cranes, put them into service, or troubleshoot them.

Teaching methods:

- Theory with dedicated and practical training support on GME and GMA POTAIN latest generation & driving simulator.

CACES® recognized in Switzerland by SUVA.

Trainers:

- Christophe PRELY
- Antonio DOS SANTOS
- Philippe ROLIN

Assessment means:

- 5 classrooms with interactive tools.
- 1 MR229 tower crane.

Accreditation of learning:

- Training for 1.5 days, 1.5 days of examinations
- Theoretical examination: 1h 30min, collective.
- Practical exam: 1h 30min per person.
- Issuance of the CACES® R487 category II if the results are positive or an individual evaluation form if the results are negative.

Programs

THEORY

- Role and responsibilities of the crane driver,
- Installation of the crane, its functions,
- Driver's stand,
- Communication with staff on the ground,
- Operating characteristics (load curves, stress and movement limiters, rope reeving),
- Operating rules (wind, prevention rules, beginning and end of shift, prohibited maneuvers, periodic checks),
- Study of the mechanisms and maintenance,
- Electrical current (device and safety devices),

PRACTICE

- Slinging techniques,
- Site organization,
- Intensive driving practice to manage load swinging.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Former CACES® category 2 or certificate justifying initial training in the driving of tower cranes with luffing jib.
- Validation of the management of the training by the funding organization.

Prerequisite:

- Be declared fit for work by a doctor (certificate to be presented before the training).
- Understand and read French well, and have a good grasp of basic calculation rules.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted) and gloves.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier, 69780 St Pierre de Chandieu

Duration:

3 days - 21 hours

Languages:

Accessibility:

Adaptation possibility.
Contact us

No. of Persons:

3 persons

Targeted level:

Certification

Related jobs:

- Crane driver
- Maneuvering and driving site equipment and handling.

Renewal every 5 to 10 years

PTO →

Available options:

- MR Cab GME

- These options, in compliance with the new recommendation R487, allow the use of MR cranes (luffing jibs), regardless of their configuration, with the driving authorization of the company manager.

Eligibility:

- Eligible for OPCO subsidies
- Eligible for the CPF.

Cost:

Price of the course per person:

- MR CAB GME **€ 2,080 excl. VAT**
- TRAVELING MOVEMENT (surcharge) **€ 772 excl. VAT**

Cost of the CACES® test included

Meal package: **€ 58.50 excl. VAT** for the entire course
(3 meals)

What is the new recommendation R487 for the CACES®

The driving authorization is **THE** legal document that the employer must give. The Caces® R487 tower crane is a recommendation that enables the employer to justify an employee's training in driving tower cranes. It does not substitute their responsibility for this, in the event of a problem that has occurred on a job site. The Caces® certifies the employee's training. The driving authorization authorizes the employee to use their driving skills. The two documents are complementary.

The CACES® issued when the examinations have been successfully passed is the model recommended by the INRS. The reading is not intuitive. Only the options assessed by the Tester are reported on the card.

What is changing on the new CACES® R487?

The new CACES® relies on an increased general knowledge (the overall passmark is now 70% AND at least 50% is required for each of the modules).

The stationed crane driver must know how to handle (and use) crane lifts as well as state-of-the-art technologies (CCS, as we call them). The practical test is timed. If the candidate goes over time, they fail the test.

The crane driver MUST understand French. Each question can be read once, but they will not be repeated and it is not possible for a translator to be present during the examination.

The validity of the practical part may be extended by an additional 5 years on the driving authorization of the manager of the company employing the crane driver (i.e. a validity of 10 years). In this case, only the theory will have to be reviewed after 5 years.

GM14– CACES® R483 – Intra-company

POTAIN®

Renewal – Mobile Crane - Intra-company (Mobile crane supplied by customer)

Safe driving fitness certificate R483 mobile cranes category B, mobile cranes with telescopic jib
Certifying body: CNAMTS – RS Code: 5110 – Registration deadline: 02/03/2025

Contact:

@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:

Cédric Fourier

CPNE Code:

Objectives, audiences and methods

Objectives:

- To bring theoretical and practical supplements to certify the experienced crane drivers on mobile cranes.
- The learner must have mastered the driving of mobile cranes in order to obtain the CACES® R483 of the target category.

Audience:

Main persons required to operate a mobile crane, with previous experience.

Teaching methods:

- Theory with dedicated and practical training support on Mobile Cranes.
- Technical platform with a progress area and meeting the requirements of recommendation R483.

Trainers:

- Christophe PRELY
- Antonio DOS SANTOS

Assessment means:

- 5 classrooms with interactive tools.
- Mobile crane – Type according to availability.

Accreditation of learning:

- Training for 1 day, 1 day of examinations
- Theoretical examination: 1h 30min, collective.
- Practical exam: 1h to 1h 30min per option per person.
- Issuance of the CACES® R483 if the results are positive or an individual evaluation form if the results are negative.

Programs

THEORY

- Role and responsibilities of the crane driver,
- Mobile crane technology,
- Installation of the crane, its features and basic physical concepts,
- Moving mobile cranes on the job site,
- Driver's stand
- Communication with staff on the ground,
- Operating characteristics (load curves, stress and movement limiters, rope reeving),
- Operating rules (wind, prevention rules, beginning and end of shift, prohibited maneuvers, periodic checks),
- Usage and maintenance checks,
- Electrical current (device and safety devices),

PRACTICE

- Slinging techniques,
- Start of shift and checks,
- Driving and maneuvers,
- End of shift,
- Driving from the ground using the remote control (optional).

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Former CACES® R483 or certificate justifying initial training in the driving of tower cranes.
- Validation of the management of the training by the company or the funding organization.

Prerequisite:

- Be declared fit for work by a doctor (certificate to be presented before the training).
- Understand and read French well, and have a good grasp of basic calculation rules.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted) and gloves.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier, 69780 St Pierre de Chandieu

Duration:

2 days – 14 hours

Languages

Accessibility:

Adaptation possibility.
Contact us

Cost:

Course price (group of 1 to 4 people):
- **€ 1,500 excl. VAT**

Cost of the CACES® test included
Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:

- Eligible for OPCO subsidies
- Eligible for the CPF.

No. of Persons:

Maximum of 4 persons

Targeted level:

Certification

Related jobs:

- Mobile crane driver
- Maneuvering and driving site equipment and handling.

Pass rate (2023):

No training 2023

Satisfaction rate:

(2023 by individual questionnaire)
No training 2023

Renewal every 5 to 10 years

GM14– CACES® R 483 – Inter-company

POTAIN®

Renewal – Mobile Crane - Inter-company (Mobile crane supplied by training center)

Safe driving fitness certificate R483 mobile cranes category B, mobile cranes with telescopic jib
Certifying body: CNAMTS – RS Code: 5110 – Registration deadline: 02/03/2025

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code:

Objectives, audiences and methods

Objectives:

- To bring theoretical and practical supplements to certify the experienced crane drivers on mobile cranes.
- The learner must have mastered the driving of mobile cranes in order to obtain the CACES® R483 of the target category.

Audience:

Main persons required to operate a mobile crane, with previous experience.

Teaching methods:

- Theory with dedicated and practical training support on Mobile Cranes.
- Technical platform with a progress area and meeting the requirements of recommendation R483.

Trainers:

- Christophe PRELY
- Antonio DOS SANTOS

Assessment means:

- 5 classrooms with interactive tools.
- Mobile crane – Type according to availability.

Accreditation of learning:

- Training for 1 day, 1 day of examinations
- Theoretical examination: 1h 30min, collective.
- Practical exam: 1h to 1h 30min per option per person.
- Issuance of the CACES® R483 if the results are positive or an individual evaluation form if the results are negative.

Programs

THEORY

- Role and responsibilities of the crane driver,
- Mobile crane technology,
- Installation of the crane, its features and basic physical concepts,
- Moving mobile cranes on the job site,
- Driver's stand,
- Communication with staff on the ground,
- Operating characteristics (load curves, stress and movement limiters, rope reeving),
- Operating rules (wind, prevention rules, beginning and end of shift, prohibited maneuvers, periodic checks),
- Usage and maintenance checks,
- Electrical current (device and safety devices),

PRACTICE

- Slinging techniques,
- Start of shift and checks,
- Driving and maneuvers,
- End of shift,
- Driving from the ground using the remote control (optional).

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Former CACES® R483 or certificate justifying initial training in the driving of tower cranes.
- Validation of the management of the training by the company or the funding organization.

Prerequisite:

- Be declared fit for work by a doctor (certificate to be presented before the training).
- Understand and read French well, and have a good grasp of basic calculation rules.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted) and gloves.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier, 69780 St Pierre de Chandieu

Duration:

2 days – 14 hours

Languages:

Accessibility:

Adaptation possibility.
Contact us

Cost:

Price of the course per person:

- **€ 2,100 excl. VAT**

Cost of the CACES® test included
Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:

Eligible for OPCO subsidies

No. of Persons:

Maximum of 4 persons

Targeted level:

Certification

Related jobs:

- Mobile crane driver
- Maneuvering and driving site equipment and handling.

Pass rate (2023):

No training 2023

Satisfaction rate: *(2023 by individual questionnaire)*

No training 2023

Renewal every 5 years

Fitting/Commissioning training

Potain 1

Introduction to GME/GMA Commissioning

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-9

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge required to commission non-CCS GMA and GME tower cranes.

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:
- In-person teaching,
- Multimedia support and documentation supply.
- Practical exercises with the site tools.

Trainer:
- Philippe ROLIN

Assessment means:
- Dedicated classrooms
- IGO T 85 and IGO 50
- Non-CCS GME training bench.

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Operating principle of tower cranes,
- Function principle of the safety devices, mechanisms and devices on a tower crane,
- Study the technical documentation of a tower crane (load curves, stability, reactions, etc.),
- Reading Potain wiring diagrams
- Overview and adjustment of the safety devices on tower cranes,
- Overview and use of VISU II and V3 processing unit,

PRACTICE
- Safety and limit switch adjustments on a GME and GMA crane in the training fleet.
- Use of the variable frequency drive ACS 880.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Be electrically authorized to at least BE Manoeuvre or BR or BS
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted) and gloves.

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Teaching type:
Face-to-face and e-learning

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,190 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Languages:

Related jobs:
Crane fitters, technicians, servicemen.

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.7/10

Accessibility:
Adaptation possibility.
Contact us

EVY fitting

Fitting, commissioning of EVY cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge necessary to fit and commission EVY cranes.

Audience:
Main persons responsible for the installation and maintenance of self-fitting cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- EVY 30-23

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Characteristics of self-fitting cranes,
- Study the technical documentation (load curves, stability, reactions, etc.),
- Fitting safely principles,

PRACTICE
- Fitting and unfolding an EVY 30-23 GMA crane,
- Transport rules, suitability,
- Adjustment of safety devices and indicators,
- Mechanical, electrical, and hydraulic functioning principles.
- Preventive maintenance principle,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
2.5 days – 17.5 hours

Cost:
Price of the course per person:
- **€ 1,405 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.07/10

Accessibility:
Adaptation possibility.
Contact us

IGO fitting

Fitting, commissioning of IGO cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-13

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge necessary for fitting and commissioning IGO cranes.

Audience:
Main persons responsible for the installation and maintenance of self-fitting cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainers:
- Didier FOREST
- Christophe PRELY

Assessment means:
- Dedicated classrooms
- IGO 50

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Characteristics of self-fitting cranes,
- Study the technical documentation (load curves, stability, reactions, etc.),
- Fitting safely principles,

PRACTICE
- Fitting and unfolding an IGO GMA crane,
- Transport rules, suitability,
- Adjustment of safety devices and indicators,
- Mechanical, electrical, and hydraulic functioning principles.
- Preventive maintenance principle,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **€ 1,657 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.43/10

Accessibility:
Adaptation possibility.
Contact us

IgoM24-19 fitting

Fitting, commissioning of IgoM24-19 cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code:

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge necessary to fit and commission IgoM24-19 cranes.

Audience:
Main persons responsible for the installation and maintenance of self-fitting cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- IgoM24-19

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Characteristics of self-fitting cranes,
- Study the technical documentation (load curves, stability, reactions, etc.),
- Fitting safely principles,

PRACTICE
- Fitting and unfolding an IgoM24-19 GMA crane,
- Transport rules, suitability,
- Adjustment of safety devices and indicators,
- Mechanical, electrical, and hydraulic operating principles,
- Preventive maintenance principle,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
2.5 days – 17.5 hours

Cost:
Price of the course per person:
- **€ 1,405 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

Accessibility:
Adaptation possibility.
Contact us

IGO T fitting

Fitting, commissioning of IGO T cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-14

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge necessary for fitting and commissioning IGO T cranes.

Audience:
Main persons responsible for the installation and maintenance of self-fitting cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- IGO T 85 (on traveling movement)

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Characteristics of self-fitting cranes equipped with extension masts,
- Study the technical documentation (load curves, stability, reactions, etc.),
- Fitting safely principles,

PRACTICE
- Fitting an IGO T 85 (on traveling movement) (unfolding of the mast, unfolding the jib in all working configurations, telescoping, 6-meter mast, installation of the transport axle, use of the radio control, no chassis support)
- Suitability,
- Adjustment of safety devices and indicators,
- Mechanical, electrical, and hydraulic operating principles of the IGO T.
- Preventive maintenance principle,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,210 excl. VAT**

Meal package: € 58.50 excl. VAT for the entire course (3 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.80/10

Accessibility:
Adaptation possibility.
Contact us

IGO T99/139 fitting

Fitting, commissioning of IGO T cranes with CCS technology (IgoT99/139)

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code:

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge necessary to fit and commission IGOT CCS cranes.

Audience:
Main persons responsible for the installation and maintenance of self-fitting cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- IGOT139

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Characteristics of self-fitting cranes equipped with extension masts,
- Study the technical documentation (load curves, stability, reactions, etc.),
- Fitting safely principles,

PRACTICE
- Fitting an IGO T 139 (chassis support, unfolding of the mast, unfolding the jib in all working configurations, telescoping, 6-meter mast, installation of the transport axle, use of the radio control)
- Suitability,
- Adjustment of safety devices and indicators,
- Mechanical, electrical, and hydraulic operating principles of the IGO T 99.
- Preventive maintenance principle,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,210 excl. VAT**

Meal package: € 58.50 excl. VAT for the entire course (3 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

Accessibility:
Adaptation possibility.
Contact us

HUP fitting

Fitting, commissioning of HUP 32-27 and 40-30 cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-43

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge necessary to fit and commission HUP cranes.

Audience:
Main persons responsible for the installation and maintenance of self-fitting cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- HUP 32-27

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Characteristics of GMA cranes,
- Range of HUP cranes,
- Study technical documentation (load curves, stability, reactions, etc.)
- Fitting safely principles,

PRACTICE
- Fitting an HUP 32-27 (chassis support, ballasting with derrick, mast unfolding, jib unfolding in all working and maintenance configurations, complete folding of the crane and installation of the transport axle, etc.)
- Suitability,
- Adjustment of safety devices and indicators,
- Use of the computer and radio control,
- Hydraulic and electrical operating principles of the HUP cranes,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **€ 1,657 excl. VAT**

Meal package: € 39 excl. VAT for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.63/10

Accessibility:
Adaptation possibility.
Contact us

Fitting GME MR229

Fitting MR cranes with CCS technology MR229

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code:

Objectives, audiences and methods

Objectives:

- Acquire the theoretical and practical skills necessary to fit and commission MR cranes with CCS technology MR229 safely.

Audience:

Main persons responsible for the installation and maintenance of top-slewing cranes.

Assessment means:

- Dedicated classrooms
- MR229 crane

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:

- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness, anti-impact gloves and ear plugs.

Trainer:

- Didier FOREST
- Jean-Christophe MICHEL

Teaching methods:

- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Accreditation of learning:

- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

5 days - 35 hours

Cost:

Price of the course per person:
- **€ 3,150 excl. VAT**

Meal package: **€ 97.50 excl. VAT** for the entire course (5 meals)

Related jobs:

Crane fitter

Languages:

Eligibility:

- Eligible for OPCO subsidies,
- Not eligible for CPF.

Programs

THEORY

- Overview of the Potain GME MR range,
- Notion of the stability of tower cranes,
- Fitting sequences for the different types of MR Potain tower cranes,
- Using the technical manuals,

PREPARATION AND ORGANIZATION OF FITTING

- Presentation of assembling techniques with auxiliary lifting equipment, choice of crane truck, slinging instructions,
- Special precautions during the dismantling sequences of the sub-assemblies.

PRACTICE

- Fitting the MR229 crane,
- Hydraulic notions: units and cylinders, principles, adjustments, electricity,
- Application to operation of the mechanisms, the power supply of the machines and the connections to be made.
- Checking compliance of the fitting.
- Checks (wire ropes and slings, maintenance, wear criteria),
- Safety devices and driving aids (indicators),
- Brakes: principle, practical adjustments,
- Fitting report.

No. of Persons:

Maximum of 6 persons

Targeted level:

Qualification

Pass rate (2023):

No training in 2022

Satisfaction rate: *(2022 by individual questionnaire)*

No training in 2022

Accessibility:

Adaptation possibility.
Contact us

Fitting GME MD/MDT

Fitting, commissioning of the MD/MDT

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-16

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical skills needed for safely fitting the MD/MDT cranes.

Audience:
Main persons responsible for the installation and maintenance of top-slewing cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainers:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- GME loaned by the customer

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness, anti-impact gloves, ear plugs and safety glasses.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,800 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Related jobs:
Crane fitter

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

No. of Persons:
6 persons

Programs

THEORY
- Overview of the Potain GME range,
- Notion of the stability of tower cranes,
- Fitting sequences for the various types of MD/MDT cranes,
- Using the technical manuals,
- MDT 219 Fitting e-Learning.

PREPARATION AND ORGANIZATION OF FITTING
- Presentation of assembling techniques with auxiliary lifting equipment, choice of crane truck, slinging instructions,
- Special precautions during the dismantling sequences of the sub-assemblies.

PRACTICE
- Fitting crane,
- Hydraulic notions: units and cylinders, principles, adjustments, electricity,
- Application of functioning of mechanisms, power supply to cranes, and various connections to be carried out.
- Checking compliance of the fitting.
- Checks (wire ropes and slings, maintenance, wear criteria),
- Safety devices and driving aids (indicators),
- Brakes: principle, practical adjustments,
- Fitting report.

Languages:

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
10/10

Accessibility:
Adaptation possibility.
Contact us

Cab'IN

Fitting, commissioning and troubleshooting the interior lift

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-41

Objectives, audiences and methods

Objectives:
- Acquire the knowledge necessary to fit, commission and use the POTAIN interior lift.
- Acquire the theoretical and practical knowledge needed for diagnosis and troubleshooting

Audience:
For the main fitters and servicemen of tower cranes and lifts.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- Cab'IN lift and dedicated chassis

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the Cab'IN internal lift,
- Study the equipment: masts/chassis/cab,
- Fitting and dismantling stages of masts equipped with a Cab'IN,
- Safety and evacuation procedure,
- Required checks,

PRACTICE
- Partial fitting and dismantling,
- Retrofit study,
- Study electric equipment,
- Commissioning the lift, checking its operation, testing,
- Safety and evacuation procedure,
- Preventive and corrective maintenance procedure,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,

69780 St Pierre de Chandieu

Duration:
2.5 days – 17.5 hours over 3 days

Cost:
Price of the course per person:
- **€ 1,425 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.26/10

Accessibility:
Adaptation possibility.
Contact us

CCS technology

Technology and commissioning of CCS tower cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-19

Objectives, audiences and methods

Objectives:
- Acquiring the theoretical and practical knowledge necessary for commissioning GME CCS tower cranes.

Audience:
Main persons needing knowledge on the commissioning of tower cranes (fitters/technicians/checkers).

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Hugues DURAND
- Olivier GOLLION

Assessment means:
- Dedicated classrooms
- Dedicated training bench,
- MDT 219, MDT 269 crane

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Introduction to the CCS command control,
- Functioning of the CCS safety devices for tower cranes,
- Introduction to CAN technology,
- Presentation of the driving aids,
- Procedure for Commissioning a CCS crane (adjustment of limit switches, safety devices, etc.).

PRACTICE
- Commissioning on a training bench in classroom and commissioning of a CCS crane at training site.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.
- Have completed Potain 1 training

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **€ 1,689 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.30/10

Accessibility:
Adaptation possibility.
Contact us

GME Telescoping

Telescoping of GME cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-20

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge necessary for fitting GME cranes by telescoping.

Audience:
Main persons responsible for the installation and maintenance of top-slewing cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- MDT 219 crane,

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of telescoping systems,
- Principle of telescoping a GME crane,
- Overview of telescoping phases of a GME crane,
- Mechanical, electrical and hydraulic principle of the telescoping system,
- Fundamental knowledge to carry out telescoping safely (balance, stability of the crane, etc.),
- e-Learning training about telescoping on a MDT219.

PRACTICE
- Telescoping of a crane in the training fleet.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document demonstrating having taken tower crane driving training (type CACES®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness, anti-impact gloves, ear plugs and safety glasses.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,280 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

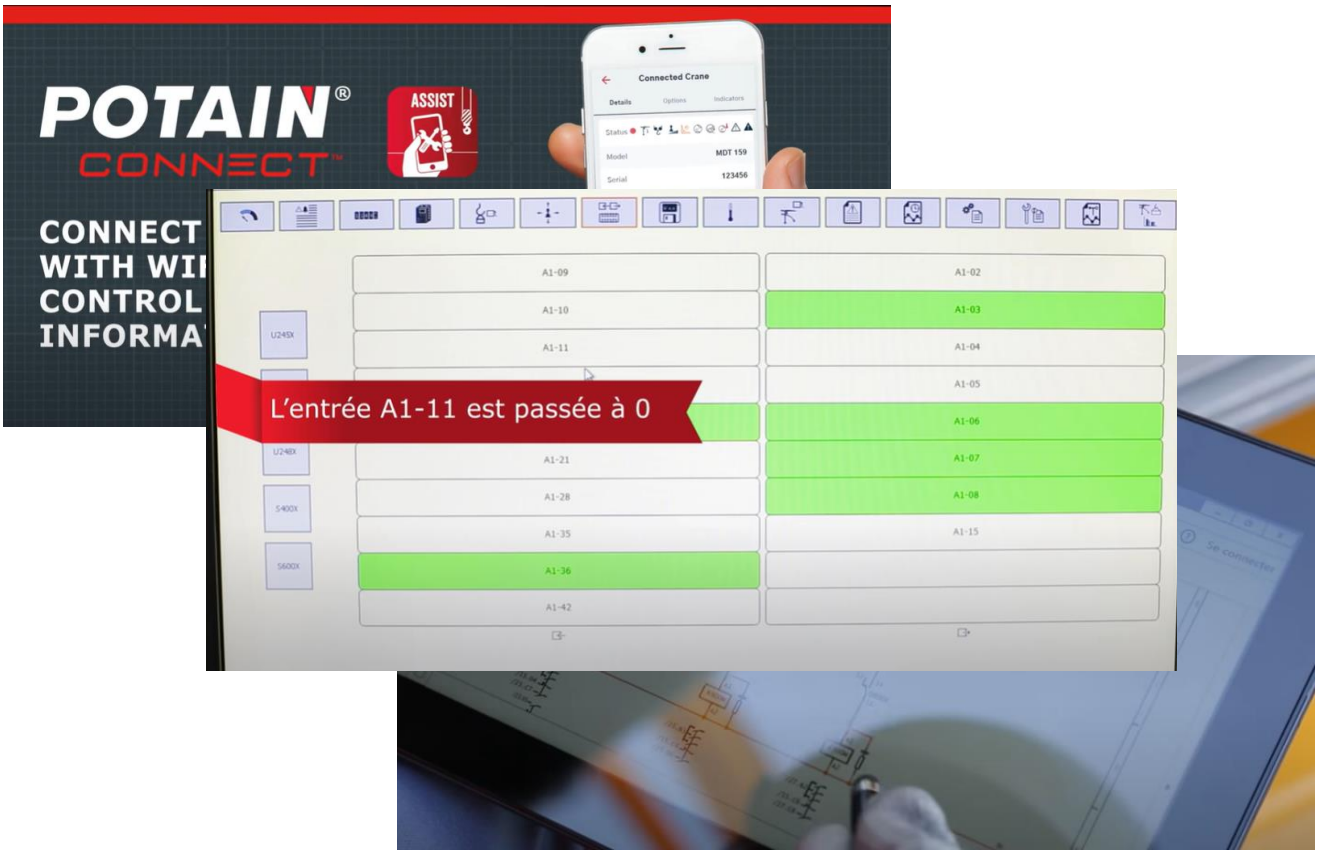
Targeted level:
Qualification

Pass rate (2023):
No training in 2023

Satisfaction rate:
(2023 by individual questionnaire)
No training in 2023

Accessibility:
Adaptation possibility.
Contact us

Troubleshooting training



Potain 2

Introduction to POTAIN troubleshooting

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-21

Objectives, audiences and methods

Objectives:
- Acquire a basic theoretical and practical knowledge of electrotechnical systems and a simple fault diagnostic methodology for tower cranes

Audience:
- Novice tower crane technicians
- Fitters wanting to acquire basic skills in electrotechnical systems

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Philippe ROLIN

Assessment means:
- Dedicated classrooms
- Wiring plates and mechanisms in workshop.

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Operating principle of a tower crane,
- Principle of the operation of a variable frequency drive, a three-phase motor and a transformer,
- Basic knowledge of electrical diagram reading,
- Able to read electric diagrams for a three-phase motor and wiring on plates.

PRACTICE
- Failure diagnostics methods,
- Adjustment of the weathervaning.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical BR authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical BR authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated POTAIN 1 training
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (shorts not permitted), long sleeves mandatory for the benches, basic electrician's equipment (screwdriver, cutting pliers, multimeter).

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,225 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Related jobs:
Crane fitters, technicians, servicemen.

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
8.84/10

Accessibility:
Adaptation possibility.
Contact us

IGO troubleshooting

Troubleshooting of IGO cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-44

Objectives, audiences and methods

Objectives:
- Perform the commissioning and corrective maintenance of IGO and IGO M tower cranes.
- Update knowledge of mechanisms for tower cranes equipped with frequency converters.

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on bench.

Trainer:
- Olivier GOLLION

Assessment means:
- Dedicated classrooms
- Dedicated IGO 50
- Mechanisms in the workshop.

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Study of the variable frequency mechanisms used on IGO and IGOM,
- Application to IGO cranes mechanisms (LVF Optima, RVF, DVF),
- Study of the integrated radio control equipment (transmitter/receiver, "Crane teach-in programming") and study of the menus.

PRACTICE
- Studies and exercises on training benches and dedicated cranes (troubleshooting, adjustments, commissioning).

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have completed and validated POTAIN 1, 2 and IGO fitting training
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **€ 1,680 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.70/10

Accessibility:
Adaptation possibility.
Contact us

IGO T troubleshooting

Troubleshooting of IGO T cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code: 1404-M3-TE-23

Objectives, audiences and methods

Objectives:

- Perform corrective maintenance of IGO T cranes,
- Updating knowledge of mechanisms for cranes equipped with frequency converters and radio controls.

Audience:

Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:

- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on bench.

Trainer:

- Olivier GOLLION

Assessment means:

- Dedicated classrooms
- IGO T 85 tower crane
- Mechanisms in the workshop.

Accreditation of learning:

- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY

- Specific features when fitting IGO T cranes,
- Analysis of the IGO T crane fitting sequences and studies of the electrotechnical and hydraulic operating diagrams depending on the fitting phases,
- Driving aid systems,
- Details of commissioning and parameter checking procedures,
- Commissioning of indicators,
- Study of radio control equipment/Smartcom V3.

PRACTICE

- Practical methods and exercises concerning operating, search for malfunctions and commissioning principles:
  - 33LVF20 Optima winches
  - Slewing mechanisms RVF+51 and RVF161 Optima+(ABB)
  - 5DVF5 winches

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:

- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated POTAIN 1, 2 and IGO T fitting training
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, and suitable gloves. Shorts not permitted.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

4 days - 28 hours over 5 days

Cost:

Price of the course per person:
- **€ 2,240 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Eligibility:

- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:

Technicians, servicemen.

Languages:

No. of Persons:

6 persons

Targeted level:

Qualification

Pass rate (2023):

100%

Satisfaction rate:

(2023 by individual questionnaire)
9.60/10

Accessibility:

Adaptation possibility.
Contact us

IGO T 99/139 troubleshooting

POTAIN®

Troubleshooting of IGO T cranes using CCS technologies (Igo T 99/139)

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code:

Objectives, audiences and methods

Objectives:

- Be able to carry out the commissioning, maintenance and troubleshooting of the IGO T 139 tower cranes independently.
- Update knowledge of the mechanisms of the IGO T 139 range.
- Understand the CCS technology and how it works.

Audience:

Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:

- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:

- Olivier GOLLION

Assessment means:

- Dedicated classrooms
- IGO T 99 training bench.
- IGO T 139 tower crane

Accreditation of learning:

- Checking of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY

- Overview of the CCS system for IGO T 139 cranes,
- Overview of safety components and fitting sensors for IGO T 139 cranes,
- Introduction to CAN technology,
- Study of the electrical architecture,
- Overview of mechanisms,
- Overview of the new "CONNECT" remote support system.

PRACTICE

- Diagnostic methodology of the CCS system,
- Application of practices to search for and solve faults,
- Use of the "CONNECT" application.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:

- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated POTAIN 1, 2 and IGO T 99 fitting training
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for practice on the crane. Shorts not permitted.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

4 days - 28 hours over 5 days

Cost:

Price of the course per person:
- **€ 2,240 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Eligibility:

- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:

Technicians, servicemen.

Languages:

No. of Persons:

6 persons

Targeted level:

Qualification

Pass rate (2023):

100%

Satisfaction rate:

(2023 by individual questionnaire)
9.80/10

Accessibility:

Adaptation possibility.
Contact us

HUP troubleshooting

Troubleshooting of HUP cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-25

Objectives, audiences and methods

Objectives:
- Perform corrective maintenance of HUP cranes,

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainers:
- Olivier GOLLION
- Hugues DURAND

Assessment means:
- Dedicated classrooms
- HUP32-27 crane,
- Training bench

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the CCS system for GMA cranes,
- Overview of the safety components for the GMA HUP cranes,
- Introduction to CAN technology,
- Study of the electrical architecture,
- Overview of mechanisms.

PRACTICE
- Ergonomics and feedback from the radio control: target positions/messages,
- Diagnostics methodology and failures.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have completed and validated POTAIN 1, 2 and HUP fitting training
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,240 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.60/10

Accessibility:
Adaptation possibility.
Contact us

MR CCS "XX9" troubleshooting

POTAIN®

Troubleshooting MR cranes with CCS technology (MR229, MR309, MR329)

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code:

Objectives, audiences and methods

Objectives:
- Be able to carry out the commissioning, maintenance and troubleshooting of the MR CCS "xx9" tower cranes independently.
- Update knowledge of the mechanisms of the MR CCS "xx9" range.
- Understand the CCS technology and how it works.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainer:
- Olivier GOLLION
- Josselin KOCH

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Assessment means:
- Dedicated classrooms
- MR229 crane

Accreditation of learning:
- Checking of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the CCS system for MR CCS "xx9" cranes,
- Overview of safety components and fitting sensors for MR CCS "xx9" cranes,
- Introduction to CAN technology,
- Study of the electrical architecture,
- Overview of mechanisms,
- Overview of the new "CONNECT" remote support system.

PRACTICE
- Diagnostic methodology of the CCS system,
- Application of practices to search for and solve faults,
- Use of the "CONNECT" application

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid authorization for working at height issued by a specialized organization.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed and validated POTAIN 2 and CCS1 training.
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for practice on the crane. Shorts not permitted.

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,280 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (4 meals)

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Languages:

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Technicians, servicemen.

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training in 2022

Satisfaction rate
(2022 by individual questionnaire):
No training in 2022

Accessibility:
Adaptation possibility.
Contact us

IGOM24-19 troubleshooting

Troubleshooting of IGOM24-19 cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code:

Objectives, audiences and methods

Objectives:
- Be able to carry out the commissioning, maintenance and troubleshooting of the IGOM24-19 tower cranes independently.
- Update knowledge of the mechanisms of the IGOM24-19 range.
- Understand the CCS technology and how it works.

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on crane or on bench.

Trainer:
- Olivier GOLLION
- Hugues DURAND
- Josselin KOCH

Assessment means:
- Dedicated classrooms
- Dedicated IGOM-24-19,

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the CCS system for IGO M24-19 cranes,
- Overview of the safety components for IGOM24-19 cranes,
- Introduction to CAN technology,
- Study of the electrical architecture,
- Overview of the use of the radio control,
- Overview of mechanisms,
- Overview of the new "CONNECT" remote support system.

PRACTICE
- Diagnostic methodology of the CCS system,
- Application of practices to search for and solve faults
- Use of the "CONNECT" application

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training,
- Be declared fit to work by the occupational health doctor,
- Have completed and validated POTAIN 1 and 2 training, or have demonstrable experience of 5 years in fitting and 5 years in troubleshooting,
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for practice on the crane. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **€ 1,689 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training in 2022

Satisfaction rate:
(2023 by individual questionnaire)
No training in 2022

Accessibility:
Adaptation possibility.
Contact us

Troubleshooting EVY 30-23

Troubleshooting of EVY 30-23 cranes

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code:

Objectives, audiences and methods

Objectives:
- Be able to carry out the commissioning, maintenance and troubleshooting of the EVY 30-23 tower cranes independently.
- Update knowledge of the mechanisms of the EVY range.
- Understand the CCS technology and how it works.

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on crane or on bench.

Trainer:
- Olivier GOLLION
- Hugues DURAND
- Josselin KOCH

Assessment means:
- Dedicated classrooms
- Dedicated EVY 30-23,

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the CCS system for EVY cranes,
- Overview of the safety components for the EVY cranes,
- Introduction to CAN technology,
- Study of the electrical architecture,
- Overview of mechanisms,
- Overview of the new "CONNECT" remote support system.

PRACTICE
- Diagnostic methodology of the CCS system,
- Application of practices to search for and solve faults,
- Use of the "CONNECT" application.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training,
- Be declared fit to work by the occupational health doctor,
- Have completed and validated POTAIN 1 and 2 training, or have demonstrable experience of 5 years in fitting and 5 years in troubleshooting,
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for practice on the crane. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **€ 1,689 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training in 2022

Satisfaction rate:
(2023 by individual questionnaire)
No training in 2022

Accessibility:
Adaptation possibility.
Contact us

GME series "8" V3 and not V3

Commissioning and troubleshooting of MDT98 to 368 cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code: 1404-M3-TE-28

Objectives, audiences and methods

Objectives:

- Perform corrective maintenance of the series "8" MD and MDT range tower cranes.
- Update knowledge of the mechanisms and perform troubleshooting on tower cranes equipped with frequency converters.
- Carry out brake adjustments of the various mechanisms.
- Acquire a methodology for troubleshooting.

Audience:

Main personnel commissioning tower cranes (fitters/technicians).

Trainer:

- Philippe ROLIN

Assessment means:

- Dedicated classrooms
- Mechanisms in the workshop.

Accreditation of learning:

- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Teaching methods:

- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,

Practice on benches.

Programs

THEORY

- Study of the V3 processing unit and the variable frequency mechanisms used on MD - MDT cranes: LVF hoisting, RVF slewing, DVF trolleying movement:
  - Study operations, adjustment, configuration, special functions.
  - Study the parameters, search for failures.
- Study wiring diagrams
- Study the working principle and adjustment of the brakes for each mechanism.

PRACTICE

- Practical work for finding failures.
- Calibration of the VISU, VISU II indicators.
- Study the radio control option.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:

- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated POTAIN 1, 2 training and have knowledge of GME fitting.
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

4 days - 28 hours over 5 days

Cost:

Price of the course per person:
- **€ 2,280 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Eligibility:

- Eligible for OPCO subsidies
- Not eligible for CPF.

Languages:

Related jobs:

Technicians, servicemen.

No. of Persons:

6 persons

Targeted level:

Qualification

Pass rate (2023):

100%

Satisfaction rate:

(2023 by individual questionnaire)
9.45/10

Accessibility:

Adaptation possibility.
Contact us

Variable frequency drives

Maintenance of variable-frequency drives

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-35

Objectives, audiences and methods

Objectives:
- Update knowledge of mechanisms of tower cranes equipped with frequency converters.
- Perform troubleshooting of tower cranes equipped with frequency converters.
- Acquire a methodology for troubleshooting.

Audience:
Main personnel commissioning tower cranes (fitters/technicians)

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainer:
- Olivier GOLLION

Assessment means:
- Dedicated classrooms
- Dedicated training bench,

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Study the variable frequency mechanisms used on the Potain,
  - LVF hoisting movement,
  - RVF slewing movement,
  - DVF trolleying movement
- Specific study of EBB, KEB and Schneider variable-frequency drives.
- Study of the operation, adjustment, configuration and special functions

PRACTICE
- Practical work for finding failures.
- Calibration.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 R S authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated POTAIN 1, 2 training and have knowledge of GME fitting.
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **€ 1,702 excl. VAT**

Meal package: € 38 excl. VAT for the entire course (2 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Languages:

Related jobs:
Technicians, servicemen.

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.80/10

Accessibility:
Adaptation possibility.
Contact us

CCS Troubleshooting

Study of systems and troubleshooting of CCS tower cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-29

Objectives, audiences and methods

Objectives:
- Acquiring the theoretical and practical knowledge needed to diagnose a GME CCS crane.

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainers:
- Olivier GOLLION
- Hugues DURAND

Assessment means:
- Dedicated classrooms
- Dedicated training bench,
- MDT 219, MDT 269 crane,

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Review of commissioning a CCS crane,
- Study of the CAN network on the CCS range,
- Method used to diagnose a CCS crane,
- Overview of CCS diagnosis aids,
- Overview of data recorded by the CCS system,
- Working principle of the CraneSTAR DIAG system for remote diagnostics,
- Procedure for updating the computer software and the CCS screen.

PRACTICE
- Diagnostics exercise on the training bench.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 R S authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have completed and validated POTAIN 1, 2 and CCS1 training and have knowledge of GME fitting.
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,280 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.27/10

Accessibility:
Adaptation possibility.
Contact us

Potain Certification

Examination for Technical adviser (Examination)

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-33

Objectives, audiences and methods

Objectives:

- Differentiate between technicians with extensive practical experience in troubleshooting and diagnostics from other technicians.
- Accreditation of learning on: mechanical adjustments, variable-frequency drives, maintenance, resolving failures and interference.

Teaching methods:

- Exercises using the appropriate tools and Manitowoc technical manuals within a given time.
- "Technician Specialist" certification consists of a series of practical tests performed on a full day.

Trainer:

- Olivier GOLLION

Audience:

Main personnel commissioning tower cranes (fitters/technicians) at expert level.

Assessment means:

- Dedicated classrooms
- 2 GME and 3 GMA: IGO 50, IGO T 85, HUP 32-27, MDT 219 and MDT 269.

Accreditation of learning:

- If a technician passes, they will be provided with the Crane Care booklet® and a certified technician card that is valid for 3 years.
- Recognition by the employee's superiors of their skills.

Programs

THEORY

- MDT CCS technology and troubleshooting,
- HUP technology and troubleshooting.

PRACTICE

- Adjustment of the weathervaning,
- Finding failures,
- Slewing variable frequency drive configuration,
- Visual + limit switch adjustment,
- Special functions: downgraded mode, keyboard control, speed adjustment, etc.
- Preventive maintenance,
- Interference adjustment.

EVALUATION

- The grading for this test is 100 points; technicians must get a result greater than or equal to 70 points in order to validate their certification.
- The technician must be able to carry out the exercises using the appropriate tools and the Manitowoc technical manuals within a given time.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:

- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated the POTAIN 1, 2 training and have knowledge of GME fitting (GME certification) and GMA fitting (GMA certification)
- PPE: Safety shoes, long sleeves for the benches (shorts not permitted), insulating mat.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

1 day – 7 hours

Cost:

Price of the course per person:
- **€ 1,225 excl. VAT**

Meal package: **€ 19.50 excl. VAT** for the entire course (1 meal)

Eligibility:

- Eligible for OPCO subsidies
- Not eligible for CPF.

Languages:

Related jobs:

Technicians, servicemen.

No. of Persons:

2 persons

Targeted level:

Qualification

Pass rate (2023):

100%

Satisfaction rate:

(2023 by individual questionnaire)
9.56/10

Accessibility:

Adaptation possibility.
Contact us

Anti-collision

Installation and adjustments of the interference systems

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-36

Objectives, audiences and methods

Objectives:
- Train tower crane technicians about the installation and commissioning of the interference systems at job sites.
- Carry out the installation, adjustments, maintenance, and programming of the interference control equipment TT2, MC602, MC603 and TT3.

Teaching methods:
- In-person teaching,
- Multimedia tools,
- Documentation supplied,
- Overview and details of the TT2, MC602, MC603 and TT3 systems.

Audience:
Main personnel commissioning tower cranes (fitters/technicians)

Trainer:
- Olivier GOLLION

Assessment means:
- Dedicated classrooms,
- 5 cranes: 2 GME and 3 GMA: IGO50, IGO T 85, HUP32-27, MDT 219 and MDT 269,
- Training benches in classrooms.

Accreditation of learning:
- Checking of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the anti-collision standard,
- Interference between cranes and prohibited zones,
- Principles of interference between cranes.

PRACTICE
- Fitting and maintenance of the TT2, MC602, MC603 and TT3 systems,
- Programming and calibration of these systems,
- Adjustment of prohibited zones,
- Calibration of the TT2, MC602, MC603 and TT3 systems by participants on interfering cranes.
- Making adjustments,
- Practical evaluation on the different systems.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated POTAIN 1, 2 training and have knowledge of GME fitting.
- PPE: Safety shoes, long sleeves for the benches (shorts not permitted), insulating mat.

Languages:

Teaching type:
Face-to-face and e-learning

Place:
5 rue Lavoisier, 69780 St Pierre de Chandieu

Duration:
4 days - 28 hours over 5 days

Cost:
Price of the course per person:
- **€ 2,280 excl. VAT**

Meal package: **€ 58.50 excl. VAT** for the entire course (3 meals)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Technicians, servicemen.

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.07/10

Accessibility:
Adaptation possibility.
Contact us

CCS Update and HPL

New CCS versions - Specific features and HPL winch

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-34

Objectives, audiences and methods

Objectives:
- Reminder of the functions of the CCS system and understand the new functions in the latest version,
- Specific questions,
- Teach-in programming of the HPL winch.

Audience:
Main personnel commissioning tower cranes (fitters/technicians)

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainers:
- Hugues DURAND
- Olivier GOLLION

Assessment means:
- Dedicated classrooms
- Dedicated HPL training bench,
- MDT 219, MDT 269 crane,

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- CCS system functions,
- Commissioning a CCS crane,
- Driving aids,
- Diagnostics aids,
- Overview of new functions,
- Procedure for updating the computer software and the CCS screen,
- Overview of HPL, 75HPL30 range,
- CCS and non-CCS architecture,
- Specific functions (optimized power, power control, maximum speed limit, etc.).

PRACTICE
- Resistor box, reduction gear, and motor temperature monitoring,
- Service brake control,
- Control panel layout,
- Variable frequency drive adjustment,
- Use of downgraded and local modes.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated POTAIN 1, 2, CCS Technologies, and CCS Troubleshooting training.
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
2 days – 14 hours over 3 days

Cost:
Price of the course per person:
- **€ 1,120 excl. VAT**

Meal package: **€ 19.50 excl. VAT** for the entire course (1 meal)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
9.38/10

Accessibility:
Adaptation possibility.
Contact us

Potain MR CCT

Troubleshooting cranes MR 418, 608, 618

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code: 1404-M3-TE-31

Objectives, audiences and methods

Objectives:

- Acquire the theoretical and practical knowledge needed to carry out troubleshooting of a GME MR (MR 418, 608, 618).
- Acquire and supplement the knowledge of MR cranes equipped with frequency converters.

Teaching methods:

- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainer:

- Olivier GOLLION

Audience:

Main personnel commissioning tower cranes (fitters/technicians).

Assessment means:

- Dedicated classrooms
- Winch on the ground
- MR crane on customer site

Accreditation of learning:

- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY

- Fitting kinematics,
- Adjustments and working principle of the safety devices,
- Mechanisms:
  - 150 and 270 LVF,
  - RVF 152 and 173,
  - 150 VVF.

PRACTICE

- Practical cases:
  - Variable frequency drive inputs outputs,
  - Adjusting the slewing parameters,
  - Adjusting the VISU II indicators,
  - Maintenance and adjustment of the emergency brake.
- Diagnostics exercise on the training bench or crane.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid authorization for working at height issued by a specialized organization.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Teaching type:

Face-to-face learning only

Place:

5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:

4 days - 28 hours over 5 days

Cost:

Price of the course per person:

- **€ 2,280 excl. VAT**

Meal package: **€ 39 excl. VAT** for the entire course (2 meals)

Prerequisite:

- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have followed and validated POTAIN 1, 2 training and have knowledge of GME fitting.
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Languages:

Eligibility:

- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:

Technicians, servicemen.

No. of Persons:

6 persons

Targeted level:

Qualification

Pass rate (2023):

100%

Satisfaction rate:

(2023 by individual questionnaire)
9/10

Accessibility:

Adaptation possibility.
Contact us

DELL tablet

Digital tools

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code:

Objectives, audiences and methods

Objectives:
- Detailed knowledge of the tablet tool to know how to use the various software for updating or saving IT data guaranteeing the correct operation of the electronic components found in the GME and/or GMA products.
- Know how to use the digital tools available (Potain E-tech, GTL, etc.)

Audience:
-Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on crane or on bench.

Trainer:
- Olivier GOLLION
- Josselin KOCH

Assessment means:
- Dedicated classrooms

Accreditation of learning:
- Checking of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the tablet solution,
- Overview of Potain E-tech,
- Overview of GTL.

PRACTICE
- Updating of the tablet
- Practical application of the various updates and saving of the CAN frames using the "Tablet" tool,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training,
- Be declared fit to work by the occupational health doctor,
- Have completed and validated the POTAIN CCS1 + CCS2 training and have access to Potain E-tech + Manitowoc Direct,
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for practice on the crane. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu

Duration:
2 days – 14 hours over 2 days

Cost:
Price of the course per person:
- **€ 1,120 excl. VAT**

Meal package: **€ 19.50 excl. VAT** for the entire course (1 meal)

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Crane fitters, technicians, servicemen.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training in 2022

Satisfaction rate:
(2023 by individual questionnaire)
No training in 2022

Accessibility:
Adaptation possibility.
Contact us

Online training courses

CraneSTAR Diag *(Contact us)*

Use and understand the CraneSTAR system

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

Objectives, audiences and methods

Objectives:
- Acquire a methodology to carry out remote diagnostics on GME CCS cranes using the CraneSTAR Diag system.

Audience:
Main persons diagnosing problems on the cranes.

Teaching methods:
E-Learning.

Assessment means:
Online.

Accreditation of learning:
- Checking of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the CraneSTAR Diag system,
- Overview of diagnostic menus proposed by the CCS system.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Be declared fit to work by the occupational health doctor

Prerequisite:
- Be over 18
- Have taken the CCS technology course.
- Be declared fit to work by the occupational health doctor

Languages:

Teaching type:
E-learning

Place:
Online

Duration:
1 hour

Cost:
Price of the course per person:
- **Contact us**

Related jobs:
Technicians, servicemen.

No. of Persons:

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
10/10

Connect: Access module *(Contact us)*

Use and understand the Connect system

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

Objectives, audiences and methods

Objectives:
- Acquire a methodology to carry out remote diagnostics on CCS cranes using the Access system.

Audience:
Main persons diagnosing problems on the cranes.

Teaching methods:
E-Learning.

Assessment means:
Online.

Accreditation of learning:
- Checking of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the Connect Access module.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Be over 18
- Have taken the CCS technology course.
- Be declared fit to work by the occupational health doctor.

Languages:

Teaching type:
E-learning

Place:
Online

Duration:
1 hour

Cost:
Price of the course per person:
- **Contact us**

Related jobs:
Technicians, servicemen.

No. of Persons:

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

Potain tools for customers

Discover and use Potain tools for customers

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

Objectives, audiences and methods

Objectives:
- Acquire a methodology to be able to use the dedicated tools developed by our company.

Audience:
Persons working in technical departments and needing these tools during their work.

Teaching methods:
E-Learning.

Assessment means:
- Online.

Accreditation of learning:
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of POTAIN Tools:
  - GTL
  - Potain e-tech
- Use of Potain systems.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Be over 18
- Be declared fit to work by the occupational health doctor.

Languages:

Teaching type:
E-learning

Place:
Online

Duration:
1 hour/application

Cost:
Price of the course per person:
- **Contact us**

Related jobs:
Technicians, servicemen.

No. of Persons:

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate
No training 2023

Potain tools for distributors

Discover and use Potain tools for distributors

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

Objectives: audiences and methods

Objectives:
- Acquire a methodology in order to use the dedicated tools developed by our company

Audience:
Persons working in technical departments and needing these tools during their work

Teaching methods:
E-Learning.

Assessment means:
- E-Learning.

Accreditation of learning:
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of POTAIN Tools:
  - GTL
  - Potain e-tech
  - GWX
  - GXP3
- Use of Potain systems.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Be over 18
- Be declared fit to work by the occupational health doctor.

Languages:

Teaching type:
E-learning

Place:
Online

Duration:
1 hour/application

Cost:
Price of the course per person:
- **Contact us**

Related jobs:
Technicians, servicemen.

No. of Persons:

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

E-learning maintenance(Contact us)

Potain cranes maintenance

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

Objectives, audiences and methods

Objectives:
- Carry out preventive and quarterly maintenance of tower cranes,
- Provide the regulatory knowledge necessary to check the completion of the detailed maintenance procedure.

Audience:
Technicians experienced in fitting and maintenance of tower cranes (minimum 3 years of experience).

Teaching methods:
- In-person teaching.
- Multimedia materials and documentation supplied.
- Practical cases of in-situ checks, dismantling of mechanisms and control of reduction gear.
- Technical inspection with checklist.

Assessment means:
- Online

Accreditation of learning:
- Checking of knowledge through multimedia testing,
- Issuance of a certificate of participation. This is not a certification.
- PLEASE NOTE: The certificate does not validate the ability to carry out detailed maintenance on POTAIN cranes.

Programs

THEORY
- Acquire the knowledge needed for the preventive maintenance technique:
  - Understand how to define maintenance operations,
  - Carry out the technical visit,
  - Check the different crane elements,
  - How to use a visit report,
  - Using the technical manuals for cranes.
- Carry out in-situ preventive maintenance:
  - Visually check the condition,
  - Check wear, measure, adjust, replace, lubricate.
  - Record observations in a visit report.
- Regulations:
  - Explain the role of the regulatory bodies,
  - Use the maintenance logbook,
  - Explain the content of the detailed exam,
  - Understand the construction information,
  - Explain a schedule of maintenance.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Be declared fit to work by the occupational health doctor.
- Have a valid electrical B0 B1 BR BS qualification at the time of training.

Prerequisite:
- Be over 18
- Technicians experienced in fitting and maintenance of tower cranes (minimum 3 years of experience).
- Have already carried out fitting of tower cranes, standard replacements and commissioning of tower crane mechanisms.

Languages:

Teaching type:
E-learning

Place:
5 rue Lavoisier, 69780 St Pierre de Chandieu

Duration:
0.5 days – 4 hours

Cost:
Price of the course per person:
- **Contact us**

Eligibility:
- Not eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Technicians, servicemen.

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

Accessibility:
Adaptation possibility.
Contact us

Stability and reactions

Training in stability and reactions of tower cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-38

Objectives, audiences and methods

Objectives:
- Study tower crane masts
- Understand the stability and forces of tower cranes
- Understand the reactions of tower cranes

Audience:
For highly experienced principal technicians or people with engineering degrees.

Teaching methods:
- In-person teaching with materials,
- Practical case studies and use of specific documents.

Trainer:
- Régis Bockor

Assessment means:
- Dedicated classrooms,
- Presentation materials.

Accreditation of learning:
- Checking of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Standard and legislation,
- EN 14439:
- The new European standard
- Calculation of the conditions for putting out of service,
- On-site installation of crane,
- Consequence of crane configuration,
- Load curve calculations:
- The xx8 generation cranes,
- Transition to CCS generation cranes.
- Balancing the tower crane,
- Forces:
- Loads and load combinations,
- Determining forces + example,
- Concept of static, elastic buckling, fatigue.
- Stability,
- Reaction calculations, technical data,
- Special cases: Cranes with anchorage, elevated cranes, equipped with lifts.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Be declared fit to work by the occupational health doctor.

Cost:
Contact us (variable depending on the length of training)

Teaching type:
Face-to-face

Place:
5 rue Lavoisier,
69780 St Pierre de Chandieu/Customer site

Duration:
Contact us (variable depending on the trainee's level)

Languages:

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Technicians, servicemen.

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2022 by individual questionnaire)
7.03/10

Accessibility:
Adaptation possibility.
Contact us

New generation HUP *(Contact us)*

Training for new command control on HUP 32-27 and 40-30

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

Objectives, audiences and methods

Objectives:
- Learn about the new command control of the new generation HUPs

Audience:
HUP fitting technicians

Teaching methods:
- Multimedia tools
- Questionnaires at the end of each module.

Assessment means:
- E-Learning

Accreditation of learning:
- Checking of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY

- Overview of the new software
- Overview of the locking principle
- Overview of the different codes
- Overview of the new targets
- View of the new vignettes and fitting screens

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Be over 18
- Have followed and validated the HUP fitting training

Languages:

Teaching type:
E-learning

Place:
Online

Duration:
0.5 days – 4 hours

Cost:
Price of the course per person:
- **Contact us**

Eligibility:
- Not eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:
Technicians, fitters and servicemen.

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate
No training 2023

Accessibility:
Adaptation possibility.
Contact us

“Customized” training

HUP M fitting *(on customer site/job site)*

Fitting, commissioning of HUP M cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-11

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge necessary to fit and commission HUP M cranes.

Audience:
Main persons responsible for the installation and maintenance of self-fitting cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainer:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- HUP M 28-22

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Characteristics of GMA cranes,
- Range of HUP M cranes,
- Study technical documentation (load curves, stability, reactions, etc.)
- Fitting safely principles,

PRACTICE
- Fitting an HUP M 28-22 (chassis support, ballasting with derrick, mast unfolding, jib unfolding in all working and maintenance configurations, complete folding of the crane and installation of the transport axle, etc.)
- Suitability,
- Adjustment of safety devices and indicators,
- Use of the computer and radio control,
- Hydraulic and electrical operating principles of the HUP cranes,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.

Teaching type:
Face-to-face learning only

Place:
On site/customer worksite.
Minimum number of trainees: 4

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **Contact us**
-

Related jobs:
Crane fitters, technicians, servicemen.

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training in 2023

Satisfaction rate:
No training in 2023

Accessibility:
Adaptation possibility.
Contact us

HUP C fitting *(on customer site/job site)*

Fitting, commissioning of HUP C cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-12

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge needed to fit and commission HUP C cranes.

Audience:
Main persons responsible for the installation and maintenance of self-fitting cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainers:
- Didier FOREST
- Fabrice NAUMOWICZ

Assessment means:
- Dedicated classrooms
- HUP C 40-30

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Characteristics of GMA cranes,
- Range of HUP C cranes,
- Study technical documentation (load curves, stability, reactions, etc.)
- Fitting safely principles,

PRACTICE
- Fitting an HUP C 40-30 (ballasting with derrick, mast unfolding, jib unfolding in all working and maintenance configurations, complete folding of the crane and installation of the transport axle, etc.).
- Adjustment of safety devices and indicators,
- Use of the computer and radio control,
- Hydraulic and electrical operating principles of the HUP cranes,

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness and anti-impact gloves.

Teaching type:
Face-to-face learning only

Place:
On customer site/job site
Minimum number of trainees: 4

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **Contact us**

Related jobs:
Crane fitters, technicians, servicemen

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

Accessibility:
Adaptation possibility.
Contact us

MD/MDT GME fitting *(on customer site/job site)*

Fitting, commissioning of the MD/MDT

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-16

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical skills needed for safely fitting the MD/MDT cranes.

Audience:
Main persons responsible for the installation and maintenance of top-slewing cranes.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Trainers:
- Didier FOREST

Assessment means:
- Dedicated classrooms
- GME loaned by the customer

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness, anti-impact gloves, ear plugs and safety glasses.

Teaching type:
Face-to-face learning only

Place:
On customer site/job site
Minimum number of trainees: 4

Duration:
5 days - 35 hours

Cost:
Price of the course per person:
- **Contact us**

Related jobs:
Crane fitter

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

No. of Persons:
6 persons

Programs

THEORY
- Overview of the Potain GME range,
- Notion of the stability of tower cranes,
- Fitting sequences for the various types of MD/MDT cranes,
- Using the technical manuals,
- MDT 219 Fitting e-Learning.

PREPARATION AND ORGANIZATION OF FITTING
- Presentation of assembling techniques with auxiliary lifting equipment, choice of crane truck, slinging instructions,
- Special precautions during the dismantling sequences of the sub-assemblies.

PRACTICE
- Fitting crane,
- Hydraulic notions: units and cylinders, principles, adjustments, electricity,
- Application of functioning of mechanisms, power supply to cranes, and various connections to be carried out.
- Checking compliance of the fitting.
- Checks (wire ropes and slings, maintenance, wear criteria),
- Safety devices and driving aids (indicators),
- Brakes: principle, practical adjustments,
- Fitting report.

Languages:

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
10/10

Accessibility:
Adaptation possibility.
Contact us

MR/MRH GME fitting *(on customer site/job site)*

Fitting of MR/MR CCT /MRH cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-17

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical skills necessary to fit Potain MR, MR CCT or MRH tower cranes safely.

Audience:
Main persons responsible for the installation and maintenance of top-slewing cranes.

Assessment means:
- Dedicated classrooms
- MR crane on customer site

Trainer:
- Didier FOREST
-

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane.

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Authorization for working at height valid at the time of training.
- Document attesting to completion of a tower crane driving course (CACES type®).

Prerequisite:
- Be declared fit to work by the occupational health doctor.
- Understand concepts of mechanics and electricity.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have completed tower crane driving training.
- PPE: Safety shoes, helmet, high-visibility clothing (shorts not permitted), safety harness, anti-impact gloves and ear plugs.

Teaching type:
Face-to-face learning only

Place:
On site/customer worksite. Minimum number of trainees: 4

Duration:
5 days - 35 hours

Cost:
Price of the course per person:
- **Contact us**
-

Related jobs:
Crane fitter

Languages:

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Programs

THEORY
- Overview of the Potain GME range,
- Notion of the stability of tower cranes,
- Fitting sequences for the different types of Potain MR, MR CCT ou MRH tower cranes,
- Using the technical manuals,

PREPARATION AND ORGANIZATION OF FITTING
- Presentation of assembling techniques with auxiliary lifting equipment, choice of crane truck, slinging instructions,
- Special precautions during the dismantling sequences of the sub-assemblies.

PRACTICE
- Fitting crane,
- Hydraulic notions: units and cylinders, principles, adjustments, electricity,
- Application to operation of the mechanisms, the power supply of the machines and the connections to be made.
- Checking compliance of the fitting.
- Checks (wire ropes and slings, maintenance, wear criteria),
- Safety devices and driving aids (indicators),
- Brakes: principle, practical adjustments,
- Fitting report.

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

Accessibility:
Adaptation possibility.
Contact us

HUP M troubleshooting *(on customer site/job site)*

Troubleshooting of HUP M cranes

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-26

Objectives, audiences and methods

Objectives:
- Perform corrective maintenance of HUP M cranes,

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainer:
- Olivier GOLLION

Assessment means:
- Dedicated classrooms
- HUP M 28-22 crane,

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the CCS system for GMA cranes,
- Overview of the safety components for the GMA HUP M cranes,
- Introduction to CAN technology,
- Study of the electrical architecture,
- Overview of mechanisms.

PRACTICE
- Ergonomics and feedback from the radio control: target positions/messages,
- Diagnostics methodology and failures.

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated POTAIN 1, 2 and HUP M fitting training
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
On site/customer worksite.
Minimum number of trainees: 4

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **Contact us**
-

Related jobs:
Technicians, servicemen.

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

Accessibility:
Adaptation possibility.
Contact us

HUP C troubleshooting *(on customer site/job site)*

Troubleshooting of HUP C cranes

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-27

Objectives, audiences and methods

Objectives:
- Perform corrective maintenance of HUP C cranes,

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainer:
- Olivier GOLLION

Assessment means:
- Dedicated classrooms
- HUP C 40-30 crane,

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Overview of the CCS system for GMA cranes,
- Overview of the safety components for the GMA HUP C cranes,
- Introduction to CAN technology,
- Study of the electrical architecture,
- Overview of mechanisms.

PRACTICE
- Ergonomics and feedback from the radio control: target positions/messages,
- Diagnostics methodology and failures.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Have followed and validated POTAIN 1, 2 and HUP C fitting training
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Teaching type:
Face-to-face learning only

Place:
On site/customer worksite.
Minimum number of trainees: 4

Duration:
3 days - 21 hours over 4 days

Cost:
Price of the course per person:
- **Contact us**

Related jobs:
Technicians, servicemen.

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Languages:

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

Accessibility:
Adaptation possibility.
Contact us

Potain MR *(on customer site/job site)*

Troubleshooting of MR 90 to MR 298 cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-30

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge needed to carry out troubleshooting of a GME MR (MR 90 C to MR 298).
- Acquire and supplement the knowledge of MR cranes equipped with frequency converters.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainer:
- Olivier GOLLION

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Assessment means:
- Dedicated classrooms
- Winch on the ground
- MR crane on customer site

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Fitting kinematics,
- Adjustments and working principle of the safety devices,
- Mechanisms:
  - 33 to 150 LVF,
  - RVF 152 to 172,
  - 50 to 100 VVF.

PRACTICE
- Practical cases:
  - Variable frequency drive inputs outputs
  - Adjusting the slewing parameters,
  - Adjusting the VISU II indicators,
  - Maintenance and adjustment of the emergency brake.
- Diagnostics exercise on the training bench or crane.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid authorization for working at height issued by a specialized organization.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Place:
On site/customer worksite. Minimum number of trainees: 4

Duration:
3 days - 21 hours over 4 days

Languages:

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have followed and validated POTAIN 1, 2 training and have knowledge of GME fitting.

PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Cost:
Price of the course per person:
- **Contact us**

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Teaching type:
Face-to-face learning only

Related jobs:
Technicians, servicemen.

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
100%

Satisfaction rate:
(2023 by individual questionnaire)
8.82/10

Accessibility:
Adaptation possibility.
Contact us

Potain MR CCT *(on customer site/job site)*

Troubleshooting cranes MR 418, 608, 618

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier

CPNE Code: 1404-M3-TE-31

Objectives, audiences and methods

Objectives:

- Acquire the theoretical and practical knowledge needed to carry out troubleshooting of a GME MR (MR 418, 608, 618).
- Acquire and supplement the knowledge of MR cranes equipped with frequency converters.

Teaching methods:

- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainer:

- Olivier GOLLION

Audience:

Main personnel commissioning tower cranes (fitters/technicians).

Assessment means:

- Dedicated classrooms
- Winch on the ground
- MR crane on customer site

Accreditation of learning:

- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY

- Fitting kinematics,
- Adjustments and working principle of the safety devices,
- Mechanisms:
  - 150 and 270 LVF,
  - RVF 152 and 173,
  - 150 VVF.

PRACTICE

- Practical cases:
  - Variable frequency drive inputs outputs
  - Adjusting the slewing parameters,
  - Adjusting the VISU II indicators,
  - Maintenance and adjustment of the emergency brake.
- Diagnostics exercise on the training bench or crane.

Practical procedures

Confirmation of the registration:

- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid authorization for working at height issued by a specialized organization.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Teaching type:

Face-to-face learning only

Place:

On site/customer worksite. Minimum number of trainees: 4

Duration:

4 days - 28 hours over 5 days

Cost:

Price of the course per person:

- **Contact us**

Prerequisite:

- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have followed and validated POTAIN 1, 2 training and have knowledge of GME fitting.
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), long sleeves mandatory for the benches, suitable gloves. Shorts not permitted.

Languages:

Eligibility:

- Eligible for OPCO subsidies
- Not eligible for CPF.

Related jobs:

Technicians, servicemen.

No. of Persons:

6 persons

Targeted level:

Qualification

Pass rate (2023):

100%

Satisfaction rate:

(2023 by individual questionnaire)
9/10

Accessibility:

Adaptation possibility.
Contact us

Potain MRH *(on customer site/job site)*

Troubleshooting of MRH125 and MRH175 cranes

POTAIN®

Contact:
@: potainacademy-europe@manitowoc.com
✆: (+33) (0)4 69 85 93 06

Teaching manager:
Cédric Fourier
CPNE Code: 1404-M3-TE-32

Objectives, audiences and methods

Objectives:
- Acquire the theoretical and practical knowledge needed to carry out troubleshooting of a GME MR (MRH125 and 175).
- Acquire and supplement the knowledge of MR cranes equipped with frequency converters.

Teaching methods:
- Detailed presentations,
- Audiovisual and teaching materials,
- Documentation supplied,
- Practice on a crane and benches.

Trainer:
- Olivier GOLLION

Audience:
Main personnel commissioning tower cranes (fitters/technicians).

Assessment means:
- Dedicated classrooms
- Winch on the ground
- MRH crane on customer site

Accreditation of learning:
- Check of knowledge through multimedia testing,
- Issuance of a certificate of participation.

Programs

THEORY
- Provide basic knowledge about fitting, balancing and commissioning the MRH cranes,
- Load curves,
- Study the hydraulic and electrical components,

PRACTICE
- On-site installation,
- Fitting the mast section,
- Balancing the crane,
- Installing the upper slewing crane part,
- Adjusting safety devices,
- Using the technical documentation,
- Study the wiring diagram,
- Preventative maintenance of the crane.

Practical procedures

Confirmation of the registration:
- Order form duly filled in with the stamp of the responsible institution.
- Up-to-date medical certificate or attestation that one is held.
- Hold a valid authorization for working at height issued by a specialized organization.
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.

Cost:
Price of the course per person:
- **Contact us**

Languages:

Eligibility:
- Eligible for OPCO subsidies
- Not eligible for CPF.

Place:
On site/customer worksite.
Minimum number of trainees: 4

Duration:
3 days - 21 hours over 4 days

Prerequisite:
- Hold a valid low-voltage electrical B0 B1 BR BS authorization at the time of training.
- Be declared fit to work by the occupational health doctor.
- Hold a valid authorization for working at height issued by a specialized organization.
- Have followed and validated POTAIN 1, 2 training and have knowledge of GME fitting.
- PPE: Safety shoes, helmet, high-visibility clothing for the outside (to be adapted according to the season), suitable gloves. Shorts not permitted.

Teaching type:
Face-to-face learning only

Related jobs:
Technicians, servicemen.

No. of Persons:
6 persons

Targeted level:
Qualification

Pass rate (2023):
No training 2023

Satisfaction rate:
No training 2023

Accessibility:
Adaptation possibility.
Contact us

Practical information

Medical fitness

The doctor will check by means of a series of tests and questions that there are no contraindications to your taking this training.

You must not suffer from vertigo; you must have good eyesight, good hearing and no cardiac, articular or respiratory problems.

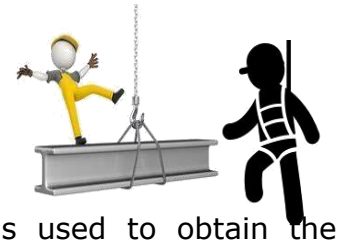
After the check-up, the doctor will give you a medical fitness form marked "fit or not fit" for the position you will be working on (fitter, serviceman, technician, etc.).

Authorization for working at height

Work at height entails risks which may be avoided when the workers are trained, qualified and made aware of these risks. The greatest risk when working at a height is falling.

There are several types of authorization for working at height:

- Fall arrest training
- PEMP (personnel mobile elevator platform) training
- Training on work and movement on ropes
- Training on fixed and rolling scaffolding



Only **fall arrest** training is required for our training courses. It is used to obtain the authorization required for correct use of PPE: instructions are provided concerning the personal protective equipment (PPE) mandatory for all work at height, and trainees also learn how to use it correctly through practical exercises. The training must focus on the type of work you will have to do: you will need to obtain authorization with exercises involving moving on the jib of a tower crane and climbing a mast from the outside.

Article R4323-104 of the Labor Code requires that a harness must be worn when working at height.

Apart from the harness, all the "fall arrest" systems that can be used will be mentioned during this training. This training must be updated every 5 years.

Electrical authorization

Electrical authorization issued by a certified organization is required for all our troubleshooting courses. Operations are in fact carried out in control panels during these courses.

Workers performing tasks on live components on an electrical installation must be authorized by their employer in accordance with the provisions of Articles R. 4544-9 to 4544-11 of the Labor Code after receiving specific training on work on live components with an approved body.

This qualification is based on the provisions of the Labor Code and on the technical rules of French standard NFC 18-510 of January 2012 "Operations on electrical network and installations and in an electrical environment - Electrical risk prevention".

It cannot be substituted by a sworn statement.

Positioning test: 30 min

At the start of the training course you will have a simple test to assess your knowledge and thus help the trainer evaluate your entry level more accurately (complete novice, informed novice, etc.).

This test does not count towards the final assessment, but simply helps the trainer to target your profile more precisely and pay more attention to your weak points.

Training

Technical training courses are all calibrated to a common rhythm, although each one has its own specific characteristics.

These training courses are intended to give the trainees professional knowledge in the field of the course taken. Each course includes a theoretical part and practical part as well as an assessment of knowledge and know-how at the end of the course.

- **The theoretical part**

It represents about 30% of all the training hours (on average, may vary depending from one course to another).

Conducted in classroom, it consists of a presentation of the course material explained by our trainers and an exchange of experience, if any. The course material is then given to the trainee, either hard copy or electronic version.

- **The practical part**

It represents about 70% of all the training hours (on average, may vary depending from one course to another).

Depending on the particular course, it is conducted on the machine (mainly for fitting training courses) or on training benches (mainly for troubleshooting training courses).

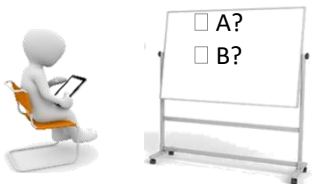
It allows practical implementation of the theoretical points discussed beforehand, in a real situation. The trainer ensures compliance with the rules of good practice given in the machine manual and makes sure that the maneuvers are carried out safely.

Assessment of practical knowledge: continuous assessment

During the training course the trainer takes the trainees one by one and asks them to perform specific maneuvers studied previously, to assess the trainee's their level of understanding, implementation and degree of autonomy.

This assessment is formalized by means of a test on the bench or on the machine, in real situations.

Assessment of theoretical knowledge: 1 hour



At the end of the training course, a theoretical assessment is carried out to ensure that the trainee has understood the course objectives, the safety rules inherent to the machine and to the site environment, and the maneuvers.The test is carried out using a multiple choice questionnaire.

Medical fitness

The doctor will check by means of a series of tests and questions that there are no contraindications to your taking this training for the main role of crane driver.

For cab practice, you must not suffer from vertigo; you must have good eyesight, good hearing and no cardiac, articular or respiratory problems.

After the check-up, the doctor will give you a medical fitness form marked "fit or not fit".

The French skills and calculation test on arrival: 30 min

At the start of training you will have a short assessment to check that you are able to read and understand French well and to perform simple calculations (surface, volume, etc.).

In terms of French language, for the initial training, the questions are generic in nature and concern the world of construction. In the case of refresher training, these will be questions about work site best practices.

This assessment does not count in the final score of the exam, but is used to check your level of understanding of French and therefore whether or not you have access to training.

Training

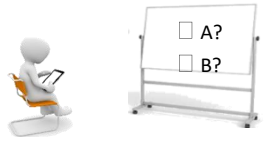
The initial training progressively combines theoretical and practical training (integration of increasingly complex movements as the days progress) in order to achieve safe driving and good management of load swinging after 13 days.

The refresher training consists of theoretical and practical revisions (1 day of theory and 2.5 days of practical training in GAT35/1 day of theory and 1 day of practical training in GAT21) in order to be able to take the test calmly and confidently on the last day or in the last days of the course.

Assessment of theoretical knowledge: 1h30

There is a single theory test regardless of the type of crane you are driving (GME or GMA) and regardless of the training followed. To pass the theory tests, you need to obtain:

- the average for each topic
- a minimum score of 70/100 for the whole test.



It comprises 5 topics:

- *First topic*: General knowledge (role and responsibilities, stakeholders in prevention, knowledge of regulations, etc.)
- *Second topic*: Technology and stability of tower cranes (terminology, characteristics, mechanisms, driving assistance, load curves, crane stability, etc.)
- *Third topic*: Operation of tower cranes (risks associated with the use of cranes and the means to prevent them)
- *Fourth topic*: Slinging (apply the rules for the implementation of hoisting accessories)
- *Fifth topic*: Maintenance (detecting the main defects in cables, steel structures, etc.)

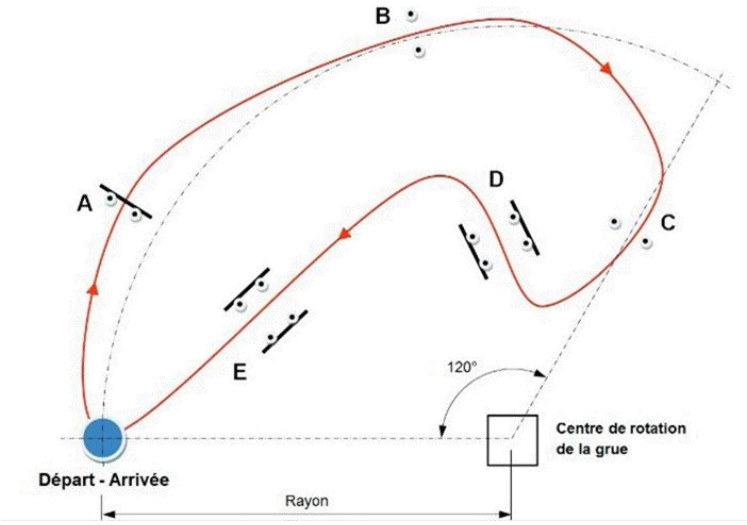
Checking practical knowledge: 1 hour per option, 30 min for traveling movement

It is done on each type of crane (GMA or GME) according to the needs of companies, regardless of the type of training.

The crane driver will be marked on 3 topics.

To pass the theoretical tests, you need to obtain:

- the average for each topic.
- a score greater than 0 for each of the items assessed.
- a minimum score of 70/100 for the whole test.
- Note that each topic is timed.



The Practical part covers 3 topics for which a variety of different elements will be assessed:

- **First topic: Start-up and commissioning.**

- Check of the presence and validity of the documents (Manufacturer's manual, PGI, etc.)
- Visual check of the crane
- Check the suitability of the crane for the handling to be performed

- **Second topic: Maneuvering the crane**

- Pick up and move a load according to the route (image above)
- Lift, move and deposit the load at a precise and non-visible location (command signals, radio instructions)
- Move a load when approaching a prohibited zone (interference)
- Sling a known load.

- **Third topic: End of work and maintenance**

- Putting the crane out of service, maintenance operations, fault reporting.

Results of the tests

The results of the CACES® tests are immediate (failed or passed). If the CACES® tests are successful, the document will be sent to the candidate within one to two weeks by email, the CACES® (Driving Safety Certificate), which will be valid for 5 years.

The period of the re-update can be increased to 10 years provided that after the first 5 years:

- The employer can justify that the employee has driven a tower crane for at least 50 days per year over the last 5 years.
- The employee successfully re-takes *theoretical* assessment of the CACES R487 with a certified tester organization.

Should they fail one of the 2 tests (practical or theory), the tester will indicate the causes of this failure to the crane driver and their employer. Training will be provided with a content and duration that will vary according to the needs of the CACES® candidate. They will retain the marks they achieved above 70 and must retake the failed part within 1 year with the same testing organization.

Should they fail the theory and practice, the candidate must retake the entire CACES® and will be advised to study additional content over a given training period.

The driving authorization

Driving authorization is mandatory and shall be accompanied by proof of driving training (CACES® or other).

This authorization will be issued by the employer once they have ensured that the crane driver is medically fit to drive a crane in full safety.

This authorization is only valid at the site where the crane driver works and the company manager can withdraw it from them at any time. It must be renewed as many times as is necessary at each construction site.

The crane driver will also receive all of the site safety instructions (storage areas, prohibited overflight zones, use of the crane on windy days).

This authorization shall mention: the identity of the crane driver, the type of crane they are authorized to drive, when and where they passed the CACES®, whether they are medically fit, as well as the "catwalk" authorizations permitted by the new version of the CACES® R487.

In the event of a job site labour inspection, this will be requested from the crane driver with an identity document.

PPE

Personal protective equipment (PPE) is mandatory to attend our training.
The equipment you must bring for each course is listed below:

Course name	Safety shoes .	High-visibility clothing	Hard hat with chin strap	Basic / anti-cut gloves	Anti-impact gloves (with shells)	Insulating gloves	Insulating mat or shoes	Work clothing covering the arms and legs	If working on live components: insulated helmet with visor	Glasses	Ear plugs	Harness (with PGI <1 year)	Double lanyard (1 m) - (with PGI <1 year)	Regulatory carabiner in good condition
ESGAT	X	X	X		X			X						
G1 - BASICS	X	X	X	X				X						
HABTR	X	X	X			X	X	X	X					
SECU	X	X	X	X				X						
TP1 4h00	X	X	X	X				X						
TP1 8h00	X	X	X	X				X						
GAT98/105	X	X	X	X				X						
GAT21	X	X	X	X				X						
GAT35	X	X	X	X				X						
CAB	X	X	X		X			X		X	X	X	X	X
GME FITTING MD/MDT	X	X	X		X			X		X	X	X	X	X
GME FITTING MR	X	X	X		X			X		X	X	X	X	X
GME TELESCOPING	X	X	X		X			X		X	X	X	X	X
HUP M FITTING	X	X	X		X			X		X		X	X	X
HUP FITTING	X	X	X		X			X		X		X	X	X
IGO FITTING	X	X	X		X			X		X		X	X	X
IGO T 99 FITTING	X	X	X		X			X		X		X	X	X
IGO T FITTING	X	X	X		X			X		X		X	X	X
IGO M24-19 FITTING	X	X	X		X			X		X		X	X	X
POTAIN 1	X	X	X		X			X		X		X	X	X
CCS TECHNOLOGIES	X	X	X		X			X		X		X	X	X
CCS UPDT & HPL	X	X	X	X		X		X	If indicated					

Course name	Safety shoes .	High-visibility clothing	Hard hat with chin strap	Basic / anti-cut gloves	Anti-impact gloves (with shells)	Insulating gloves	Insulating mat or shoes	Work clothing covering the arms and legs	If working on live components: insulated helmet with visor	Glasses	Ear plugs	Harness (with PGI <1 year)	Double lanyard (1 m) - (with PGI <1 year)	Regulatory carabiner in good condition
CERTIFICATION	X	X	X	X		X	X	X	If indicated					
CCS TROUBLESHOOTING	X	X	X	X		X		X	If indicated					
GME "8" V3 and N V3	X	X	X	X		X		X	If indicated					
HUP C TROUBLESHOOTING	X	X	X	X		X		X	If indicated					
HUP TROUBLESHOOTING	X	X	X	X		X		X	If indicated					
HUP M TROUBLESHOOTING	X	X	X	X		X		X	If indicated					
IGO TROUBLESHOOTING	X	X	X	X		X		X	If indicated					
IGO T 99 TROUBLESHOOTING	X	X	X	X		X		X	If indicated					
IGO T TROUBLESHOOTING	X	X	X	X		X		X	If indicated					
IGO M24-19 TROUBLESHOOTING	X	X	X	X		X		X	If indicated					
POTAIN 2	X	X	X			X	X	X	If indicated					
POTAIN MR	X	X	X		X	X		X	If indicated		X	X	X	X
POTAIN MR CCT	X	X	X		X	X		X	If indicated		X	X	X	X
POTAIN RADIO	X	X	X	X		X		X	If indicated					
VARIABLE FREQUENCY DRIVES	X	X	X	X		X		X	If indicated					
CCS UPDT & HPL	X	X	X	X										
CSTAR DIAG														
REACTION														

Statistics

2023 satisfaction rate

Like all approved and referenced training centers, we are required to collect immediate (straight after the training) and delayed (3 months later) post-course evaluations from our candidates. These questionnaires are important and allow us not only to improve our training courses, welcome method, etc. but also to continue offering high quality training that makes us eligible for funding from OPCO (skills operator), Pôle Emploi (Job center), the Regional Council, etc.

Our results for 2023 are as follows:

	Average of end-of-training answers (out of 10)
Was the training useful to you?	**9.33**
Was the training carried out in a satisfactory manner? (Tools, course materials, etc.)	**9.28**
Was the training delivery satisfactory? (Explanations of the trainer, clear practical cases, etc.)	**9.48**
Was the training content satisfactory?	**9.31**
Was the organization of the training satisfactory? (Welcome, hotels, restaurant, etc.)	**9.21**

	Average of training follow-up answers (out of 10)
Have the skills acquired during the training helped you in the last 3 months?	**8.92**
Is the training content adequate for your work in the field?	**8.40**

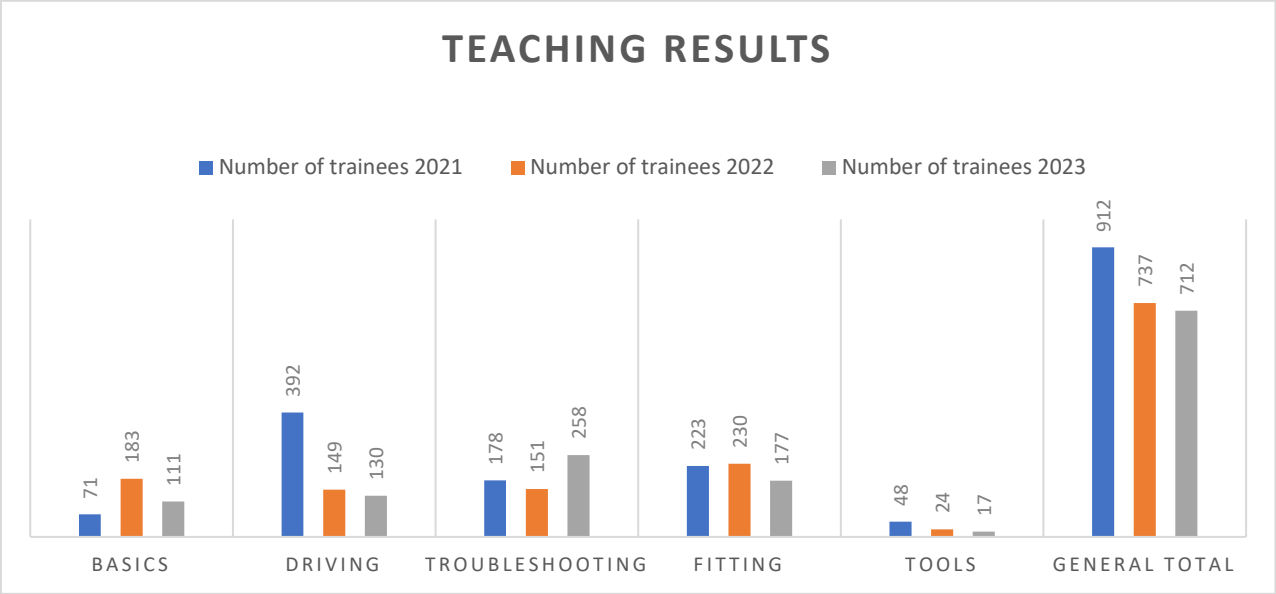
Number of trainees trained in 2023

As a technical training center, we train technicians on products and tools but also the public for the CACES® test.

The distribution of the number of trainees trained in 2023 is as follows

Name	Number of trainees	Number of successful tests	Pass rate
Driving	130	123	94.6%
BASICS	111	111	100.0%
TROUBLESHOOTING	258	258	100.0%
FITTING	177	177	100.0%
TOOLS	17	17	100.0%
TOTAL	**693**	**686**	98.9%

Teaching results

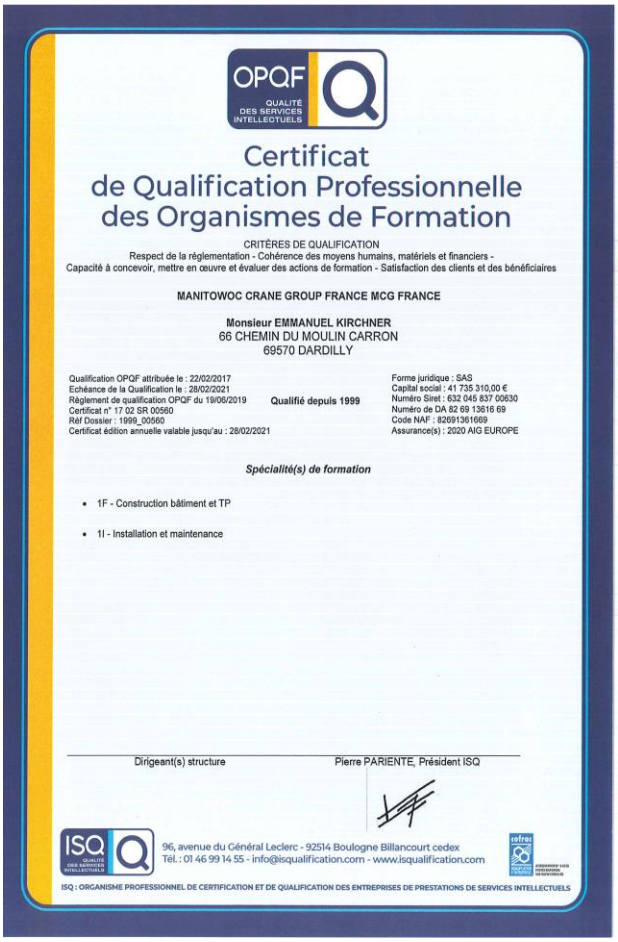


Satisfaction rate of trainees per training course

	Usefulness	Execution	Delivery	Content	Organization	*Average*
TP1	9.38	9.62	9.77	9.38	9.77	***9.58***
G1 - BASICS	9.80	9.67	9.53	9.67	9.13	***9.56***
SECU	9.73	9.47	9.80	9.40	9.33	***9.55***
ES GAT	10	10	10	10	10	***10***
GAT105	10	9	10	9.71	9.29	***9.60***
GAT21	9.83	10	9.83	10	10	***9.93***
GAT35	9.33	9.67	9.67	9.67	7.67	***9.20***
CCS TROUBLESHOOTING	9.42	9.42	9.26	9.47	8.79	***9.27***
GME "8" V3 and N V3	9.75	9.50	9.50	9.25	9.25	***9.45***
IGO TROUBLESHOOTING	9.50	10	9.50	9.50	10	***9.70***
IGO T TROUBLESHOOTING	10	10	10	10	8	***9.60***
IGO T99 TROUBLESHOOTING	9.33	9.67	10	10	10	***9.80***
CERTIFICATION	9.60	9.60	9.80	9.60	9.20	***9.56***
POTAIN 2	8.60	8.60	9.40	8.60	9	***8.84***
POTAIN MR CCT	9.33	9.33	9.33	9	8	***9***
VARIABLE FREQUENCY DRIVES	9.86	9.71	9.86	9.86	9.71	***9.80***
CAB	9.14	9.29	9.29	8.86	9.71	***9.26***
HUP FITTING	9.57	9.64	9.64	9.71	9.57	***9.63***
IGO FITTING	9.17	9.33	9.83	9.67	9.17	***9.43***
IGO T 99 FITTING	9.40	9.10	9.80	9.40	9.40	***9.42***
IGO T FITTING	10	9	10	10	10	***9.80***
GME FITTING MD/MDT	10	10	10	10	10	***10***
EVY FITTING	9.22	9	9.44	9.11	8.56	***9.07***
POTAIN 1	9.67	9.67	9.75	9.67	9.75	***9.70***
CCS TECHNOLOGIES	9.41	9.30	9.50	9.27	9	***9.30***
ANTI-COLLISION	9.56	8.67	9.22	9	8.89	***9.07***
CCS UPDT & HPL	9.11	9.33	9.78	9.33	9.33	***9.38***
EVY TROUBLESHOOTING	9.33	9	10	9	10	***9.47***
POTAIN MR	9	8	9	8	9	***8.67***

	Usefulness	Execution	Delivery	Content	Organization	*Average*
STABILITY AND REACTION	8	7.33	6.67	7.67	8.67	***7.67***

Your center's certification



OPQF QUALITE DES SERVICES INTELLECTUELS

Certificat
de Qualification Professionnelle
des Organismes de Formation

CRITÈRES DE QUALIFICATION
Respect de la réglementation - Cohérence des moyens humains, matériels et financiers -
Capacité à concevoir, mettre en œuvre et évaluer des actions de formation - Satisfaction des clients et des bénéficiaires

MANITOWOC CRANE GROUP FRANCE MCG FRANCE

Monsieur EMMANUEL KIRCHNER
66 CHEMIN DU MOULIN CARRON
69570 DARDILLY

Qualification OPQF attribuée le : 22/02/2017
Echéance de la Qualification le : 28/02/2021
Règlement de qualification OPQF du 19/06/2019
Certificat n° 17 02 SR 00560
Réf Dossier : 1999_00560
Certificat édition annuelle valable jusqu'au : 28/02/2021

Qualifié depuis 1999

Forme juridique : SAS
Capital social : 41 735 310,00 €
Numéro Siret : 632 045 837 00630
Numéro de DA 82 69 13616 69
Code NAF : 82691361669
Assurance(s) : 2020 AIG EUROPE

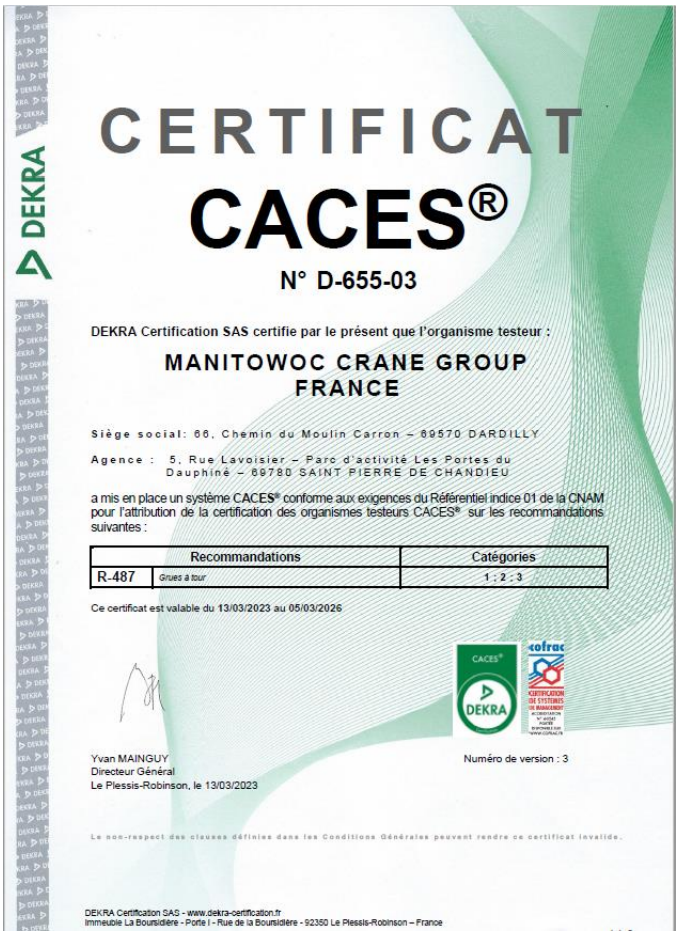
Spécialité(s) de formation

- 1F - Construction bâtiment et TP
- 1I - Installation et maintenance

Dirigeant(s) structure — Pierre PARIENTE, Président ISQ

ISQ QUALITE DES SERVICES INTELLECTUELS
96, avenue du Général Leclerc - 92514 Boulogne Billancourt cedex
Tél. : 01 46 99 14 55 - info@isqualification.com - www.isqualification.com

ISQ : ORGANISME PROFESSIONNEL DE CERTIFICATION ET DE QUALIFICATION DES ENTREPRISES DE PRESTATIONS DE SERVICES INTELLECTUELS



DEKRA

CERTIFICAT
CACES®
N° D-655-03

DEKRA Certification SAS certifie par le présent que l'organisme testeur :

MANITOWOC CRANE GROUP FRANCE

Siège social: 66, Chemin du Moulin Carron – 69570 DARDILLY

Agence : 5, Rue Lavoisier – Parc d'activité Les Portes du Dauphiné – 69780 SAINT PIERRE DE CHANDIEU

a mis en place un système CACES® conforme aux exigences du Référentiel indice 01 de la CNAM pour l'attribution de la certification des organismes testeurs CACES® sur les recommandations suivantes :

	Recommandations	Catégories
R-487	Grues à tour	1 ; 2 ; 3

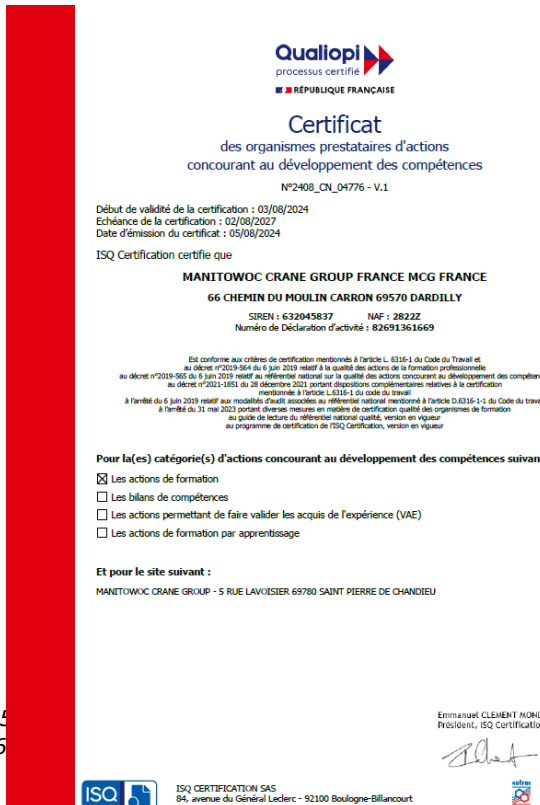
Ce certificat est valable du 13/03/2023 au 05/03/2026

Yvan MAINGUY
Directeur Général
Le Plessis-Robinson, le 13/03/2023

Numéro de version : 3

Le non-respect des clauses définies dans les Conditions Générales peuvent rendre ce certificat invalide.

DEKRA Certification SAS - www.dekra-certification.fr
Immeuble La Boursidière - Porte I - Rue de la Boursidière - 92350 Le Plessis-Robinson – France



Qualiopi processus certifié
RÉPUBLIQUE FRANÇAISE

Certificat
des organismes prestataires d'actions
concourant au développement des compétences

N°2408_CN_04776 - V.1

Début de validité de la certification : 03/08/2024
Echéance de la certification : 02/08/2027
Date d'émission du certificat : 05/08/2024

ISQ Certification certifie que

MANITOWOC CRANE GROUP FRANCE MCG FRANCE

66 CHEMIN DU MOULIN CARRON 69570 DARDILLY

SIREN : 632045837 NAF : 2822Z
Numéro de Déclaration d'activité : 82691361669

Est conforme aux critères de certification mentionnés à l'article L. 6316-1 du Code du Travail et
au décret n°2019-564 du 6 juin 2019 relatif à la qualité des actions de la formation professionnelle
au décret n°2019-565 du 6 juin 2019 relatif au référentiel national sur la qualité des actions concourant au développement des compétences
au décret n°2021-1851 du 28 décembre 2021 portant dispositions complémentaires relatives à la certification
mentionnée à l'article L.6316-1 du code du travail
à l'arrêté du 6 juin 2019 relatif aux modalités d'audit associées au référentiel national mentionné à l'article D.6316-1-1 du Code du travail
à l'arrêté du 31 mai 2023 portant diverses mesures en matière de certification qualité des organismes de formation
au guide de lecture du référentiel national qualité, version en vigueur
au programme de certification de l'ISQ Certification, version en vigueur

Pour la(es) catégorie(s) d'actions concourant au développement des compétences suivante(s) :

☒ Les actions de formation
☐ Les bilans de compétences
☐ Les actions permettant de faire valider les acquis de l'expérience (VAE)
☐ Les actions de formation par apprentissage

Et pour le site suivant :

MANITOWOC CRANE GROUP - 5 RUE LAVOISIER 69780 SAINT PIERRE DE CHANDIEU

Emmanuel CLEMENT MONDOLONI
Président, ISQ Certification

ISQ CERTIFICATION SAS
84, avenue du Général Leclerc - 92100 Boulogne-Billancourt

Potain Academy internal regulations applicable to trainees

The stated provisions apply to "**Trainees**" including:

☞ All Company employees, in training situation.
☞ All persons present at the Center as a trainee, either via a Customer Company or on an individual basis and bound by an internship agreement.
The specific provisions listed below are applicable both on the Potain Academy's premises and dependencies, or premises and dependencies provided, as well as on all land on which the training actions can be carried out.

The management and all the trainers at the Potain Academy are responsible for enforcing these provisions.

I - HEALTH AND SAFETY

Health:

All trainees are forbidden from smoking in the crane cabs and premises. Trainees must use the smoking areas provided.
The persons present must respect the cleanliness of the premises (classrooms, changing rooms, cabs, common areas) and the outdoor areas (car park, training ground, access roads).
Depending on the training course followed, the trainee may be required to spend the time required for the maintenance and/or cleaning of the equipment used as a teaching support, for example: crane cab and test benches.
It is prohibited to enter or remain at the training site in a state of intoxication, under the effect of drugs, or products considered dangerous when driving equipment.
It is also prohibited to introduce and consume alcoholic beverages or drugs.

Safety:

To prevent the risk of accidents, a trainer must always be present when using tools and machines.
All trainees must come with safety shoes, helmet, gloves and work clothing covering arms and legs (shorts are not permitted). This equipment must be provided by the trainee. A changing room is provided for trainees.
In case of a fire, the trainee must comply with the instructions displayed (plans showing the locations of fire extinguishers and emergency exits).
Communication with walkie-talkies is possible on the training ground. All trainees present on the training ground must have a walkie-talkie and use the following channels: work channel No. 5 – emergency channel No. 1
The Potain Academy and its members cannot be held liable in the event of theft of money or personal objects belonging to the trainees.

II - GENERAL DISCIPLINE

Access to the site and premises:

Presence outside working hours or classes is not permitted, Either before 8:00 a.m. or after 5:00 p.m.
During break times, the trainees must remain in the areas of the Potain Academy indicated by the trainer.
Trainees are not permitted to access the other parts of the building.

Traffic and parking:

The trainees must observe the rules of the Highway Code within the training site.
All trainees must use the parking area provided. Parking is not permitted outside the parking areas.

Behavior:

The use of mobile telephones is prohibited during classes.
Any person exerting pressure on the staff or the other trainees, hindering the right to freedom of work and expression is liable to sanctions.

Equipment:

The use of any equipment without the presence of a trainer is prohibited.
The trainees must keep all equipment provided to them in good general condition. They must report any operating incidents to the trainer present.

III - SANCTIONS

For trainees bound to the Company by an employment contract, refer to the paragraph of the internal regulations on this subject.
For other trainees, any misconduct at the training center may, after prior notification, result in a sanction likely to affect either immediately or not the presence of the person concerned in the course, or possibility prevent the person from continuing with the training.

Appeal

Origin of appeal	Transmission method	Date: __/__ /_____
Company:	☐ Oral ☐ Mail ☐ Email: ☐ Telephone Recipient: _____ _____	
Surname:		
Position:		
Telephone/email:		

Subject of the complaint

☐ Dissatisfaction regarding organization
☐ Dissatisfaction regarding the teaching
☐ Dissatisfaction regarding the trainer
☐ Dissatisfaction regarding the order
☐ Dissatisfaction regarding the service
☐ Dissatisfaction regarding the invoice
☐ Other dissatisfaction

Please specify your dissatisfaction so that we can provide a clear response

_____
_____
_____
_____
_____
_____

How would you have preferred it to take place?

_____
_____
_____
_____
_____

Signature:	**Stamp if company:**

POTAIN®

CACES® Purchase Order – Potain Academy

TRAINING

Title: ☐ GAT 105: Initial training ☐ GAT35: In-depth revision ☐ GAT21: Revision

Options: *(please choose only one)*

☐ Cat. 3: GMA GROUND **or** ☐ Cat. 3: GMA GROUND CAB option
☐ Cat. 1: GME CAB **or** ☐ Cat. 1: GME CAB GROUND option
☐ Cat. 2*: LUFFING GME CAB **or** ☐ Cat. 2*: LUFFING GME CAB GROUND option
☐ Cat. 1 + 3: GME CAB + GMA GROUND without options *(allows driving of all configurations with driving authorization)*
Independent option possible: ☐TRAVELING MOVEMENT

Training cost (€ excl. VAT): ..... Cost of meals (€ excl. VAT): .....

Dates: from ..... to .....

The trainee / Trainee's employer acknowledges that the trainee is up to date with their medical examinations as required by law and that they are medically fit to participate in the training. The trainee / Trainee's employer undertakes to provide, at Manitowoc's first request, a copy of the certificate of the trainee's last medical examination

THE TRAINEE

Name :..... First name: .....

Tel./Mob number: ..... Email address: ..... @ .....

Address: .....

COMPANY CONTACT *(do not fill in for individual registrations)*

Surname: .....

First name: .....

Function: ..... Direct line: ____/____/____/____/____

Email: .....@.....

BILLING – MUST BE COMPLETED

Paid for by an organization: YES ☐ NO ☐

If yes, PARTIAL ☐ TOTAL ☐

If totally or partially paid for by an organization: Wording to feature on the invoice

.....

If **not paid for** by an organization, or **only partially paid for**, specify the company to be invoiced

Company name: .....

Ident. no. VAT: |__||__||___||___||___| SIRET no.: |___| |___| |___| |___| |__|

Address: .....

Tel.: .....

Please send us the payment agreement 15 days before the training session or no later than 15 days after the training session.

If it is not returned within 15 days of completion of the training session, the cost of the training and meals will be invoiced to the company.

DATE, SIGNATURE AND COMPANY STAMP

☐ Form for agreement and acceptance of the "general registration conditions" following this bulletin

DATE, SIGNATURE OF THE TRAINEE FOR INDIVIDUAL REGISTRATIONS:

☐ Form for agreement and acceptance of the "general registration conditions" following this bulletin

** Contact us for Cat. 2 because the crane is on another site*

General conditions of sale of the Manitowoc Crane Group France SAS Training Center

Article 1 – Presentation

The Manitowoc Crane Group France Training Center ("Manitowoc") provides training services for operating tower cranes and technical training specific to Manitowoc products (the "Services" or "Training").
All orders for Manitowoc Services are subject to these general conditions of sale and the signing of the contractual documents provided for in these general conditions of sale (the "T&Cs").

Article 2 – Dates and locations of the Services

The dates and locations of the Services are set out:
- either in documents offering Training, established and distributed by the Manitowoc Training Center,
- or by agreement between one or more training requesters and the Manitowoc Training Center (training convention).

Article 3 – Registrations

Registration for the Services offered by Manitowoc implies the Customer's full acceptance of these general conditions of sale. The Manitowoc Services catalog specifies in detail the objectives, content, teaching methods and formats, the target audience, the field of activity, the pace and any prerequisites for participating in the Training.
Registrations, worded on registration bulletins or sent upon simple request, must reach the Manitowoc Training Center three weeks before the start of Training, accompanied – particularly in the case of individual trainees – by payment of the training fees, unless there are any particular contractual provisions. The signature of the registration document by the employer or by the beneficiary of the Training (hereinafter referred to as the "Customer") constitutes acceptance of the general conditions of registration and participation in Training at the Manitowoc Training Center.

Article 4 – Recognition of the training activity

Proof of attendance, certificates and diplomas can only be transmitted after completion of the Training, the trainee's success in the exam and, where applicable, payment of the full registration fees. In any event, Manitowoc is only bound by an obligation of means and not of results. A certificate can be issued by Manitowoc for the beneficiary of the Training at the end of the Training, in accordance with Article L6353-1 of the French Labor Code.

Article 5 – Price of the Service

The price includes:

a) In all cases, the actual teaching costs (the applicable price is the one in effect on the date of the start of Training, unless otherwise agreed contractually between the training requester and the Manitowoc Training Center) and, if applicable, any ancillary costs including the trainer's or trainers' travel expenses, equipment provisioning costs, tests, etc. Each action is the subject of one or more invoices.
b) Where applicable, accommodation costs (bed and board), the applicable price being that in force during the trainees' reception periods.

Invoicing includes, if applicable, the collection of VAT at the rates applicable under the regulatory conditions.

Article 6 – Payment

All new customers at the Training Center must pay for the Training in full, in advance.
For regular customers, any invoice relating to training fees is payable upon receipt net of discount.
Late invoices that remain unpaid on the due date will be automatically and without formal notice increased by late payment interest at the rate applied by the European Central Bank to its most recent refinancing operation increased by 10 percentage points and upon payment of a flat-rate compensation for recovery costs of 40 euros, in accordance with Articles L441-10 and D441-5 of the French Commercial Code. The rate mentioned below cannot, however, be less than three times the legal interest rate in force. This late payment interest cannot be offset against the mandatory contribution to financing continuing training.

Article 7 – Safety rules

The Customer and the beneficiary of the Training undertake to respect Manitowoc's internal regulations.

The host company manager undertakes to comply with the regulations in force in Articles R4532-63, R4532-64, R4532-66 and R4532-67 of the French Labor Code relating to the specific safety and health protection plan.

Article 8 – Organization of Training

a) All Training at the Manitowoc Training Center is delivered under the technical and teaching authority of the Training Center Director. The training plan is given to participants at the beginning of each training session.
b) A full-time employee at the Manitowoc Training Center is responsible for the teaching of each training session. The session can be entrusted to one or more other full-time or casual employee(s).
c) It must be remembered that registering on the course does not mean automatically obtaining the titles proposed (driving – fitting – dismantling); this depends on the objective success of appropriate tests. In the event of fraud, the trainee may be eliminated. If in doubt, the Manitowoc Training Center reserves the right to have the trainee take a new test.
d) All training actions are subject to one or more participant satisfaction assessments.

Article 9 – Participants' attendance

a) Proof of the trainees' effective participation in all or part of the training for which they are registered takes the form of their signature on the control documents presented to them.
b) At the end of the Training, an attendance certificate will be issued.

Article 10 – Cancellation of registration

Article 10.1 – Cancellation or interruption by the Customer or beneficiary

a) In the event of cancellation of the Training by the Customer or the beneficiary of the Training within a period of eight (8) weeks before the start of the Training, in the event of non-participation in the Training or abandonment during the Training, due to the Customer or beneficiary, all training fees and associated potential accommodation costs are to be borne by the training requester as a flat-rate compensation, except in cases of force majeure.
b) In the event of a registered trainee's late participation in Training, all training fees are to be borne by the training requester as a flat-rate compensation, except in cases of force majeure.
c) Sums invoiced under this Article cannot, by their nature, be offset against the mandatory contribution to financing continuous training.

Article 10.2 – Cancellation or postponement by Manitowoc

Certain circumstances may cause the Manitowoc Training Center either to cancel a training action or to postpone it to a later date. In this case, companies (or individual trainees):

* are notified, except in the event of force majeure, at least one week before the planned start of the training action,
* do not bear any charges or expenses due to the cost of teaching,
* are not entitled to any compensation from the Manitowoc Training Center.

If the dates change, companies (or trainees) can choose either to have the amounts paid refunded or to defer their registration(s) for a later action.

Article 11 – Force majeure

None of the Parties to the T&Cs may be held responsible for their delay or failure to perform one of their obligations under the T&Cs if this results from a case of force majeure defined by Article 1218 of the French Civil Code as an unpredictable, unpreventable and external event.

In addition to the cases of force majeure established by case law, the following are considered force majeure events: strikes, wars, riots, pandemics, acts of terrorism.

If following a case of force majeure, Manitowoc is unable to continue its Service, the convention or contract concluded with the Customer will be terminated automatically without the Customer being able to claim any compensation. The Customer is required to pay pro rata temporis for the Services provided by Manitowoc.

In accordance with Article L6353-7 of the French Labor Code, if, as a result of duly recognized force majeure, the trainee is prevented from participating in the Training, they may terminate the contract; in these cases, only the Services actually provided shall be paid for in due proportion to their value stated in the contract.

Article 12 – Continuous training convention

In accordance with the legislation in force and as per the provisions of the French Labor Code, a training convention is established as set out in Article L6353-1 of the French Labor Code if the Customer is a legal entity or a training convention as set out in Articles L6353-3 to L6353-7 of the same code if it concerns a natural person.

Article 13 – Intellectual property

The rights of use including the rights of representation, reproduction, utilization, adaptation, distribution and modification of the training materials remain the exclusive property of Manitowoc. In accordance with Article L122-4 of the French Intellectual Property Code, any disclosure to third parties, modification or reproduction of all or part of these training courses or of the training materials or documents in any form whatsoever, is prohibited without prior written permission from Manitowoc.

Article 14 – Confidentiality

The Parties undertake to keep confidential information and documents concerning the other Party of whatever nature, whether economic, technical or commercial, to which they may have access during the execution of the T&Cs or during exchanges occurring before their conclusion.

Article 15 – Personal data protection

As part of these general conditions, the Manitowoc Training Center may collect personal data relating to the Customer. In accordance with Article L6353-9 of the French Labor Code, the information requested, in whatever form, by Manitowoc from the Customer, can only have the purpose of assessing their ability to participate in the training action, whether requested, proposed or pursued.

In relation to the data pertaining to them, the Customer has the right of access, rectification, modification and erasure, the right to restrict processing, the right to data portability and the right to object for legitimate reasons, which they may exercise by sending an email to the Manitowoc Data Protection Officer (DPO) at the following address: dpo-dpr@manitowoc.com. The Customer also has the right to lodge a complaint with the French Data Protection Authority "Commission Nationale de l'Informatique et des Libertés" (CNIL), in particular on its website.

Article 16 – Miscellaneous

If any provision of these T&Cs or part thereof is annulled, the other clauses remain unaffected.

Article 17 – Disputes

These general conditions of registration and participation are governed and interpreted under French law.

The Parties will endeavor to amicably settle any disputes arising from these general conditions. In the event of a claim, the customer may submit it to us through the form provided for that purpose.

If no amicable solution is found, the courts of Lyon will have sole jurisdiction to hear any dispute arising from the interpretation or execution of these general conditions.

Bank account details:

NATIXIS

ACCOUNT HOLDER:
MANITOWOC CRANE GROUP France SAS
66 CHEMIN DU MOULIN CARRON
69574 DARDILLY CEDEX

BANKING ESTABLISHMENT:
NATIXIS PARIS (99999)
30 Avenue Pierre Mendes France
75013 PARIS

RIB key: 73

IBAN: FR76 3000 7530 2904 7600 7400 673
Domiciliation: NATIXIS PARIS (99999)
BIC: NATXFRPPXXX

Bank code: 30007
Sort code: 53029
Account number: 04 76 007 4006
RIB key: 73

IBAN: FR76 3000 7530 2904 7600 7400 673
Domiciliation: NATIXIS PARIS (99999)
BIC: NATXFRPPXXX

POTAIN®

Purchase Order – Potain Academy

TRAINING

Entitled: .....

Training cost (€ excl. VAT): ..... Cost of meals (€ excl. VAT): .....

Dates: from ..... to..... Location

.....

THE TRAINEE

Surname: ..... First name:

Tel./Mob number: ..... Email address: ..... @ .....

Address: .....

The trainee / Trainee's employer acknowledges that the trainee is up to date with their medical examinations as required by law and that they are medically fit to participate in the training. The trainee / Trainee's employer undertakes to provide, at Manitowoc's first request, a copy of the certificate of the trainee's last medical examination

COMPANY CONTACT (do not fill in for individual registrations)

Surname: .....

First name: .....

Function: ..... Direct line: _____/_____/_____/_____/_____

Email: .....@.....

BILLING – MUST BE COMPLETED

Paid for by an organization: YES ☐ NO ☐

If yes, PARTIAL ☐ TOTAL ☐

If totally or partially paid for by an organization: Wording to feature on the invoice

.....

If **not paid for** by an organization, or **only partially paid for**, specify the company to be invoiced

Company name: .....

Ident. no. VAT: |__||__||___||___||___| SIRET no.: |___| |___| |___| |___| |__|

Address: .....

Tel.: .....

Please send us the payment agreement 15 days before the training session or no later than 15 days after the training session.

If it is not returned within 15 days of completion of the training session, the cost of the training and meals will be invoiced to the company.

DATE, SIGNATURE AND COMPANY STAMP

☐ *Form for agreement and acceptance of the "general registration conditions" following this bulletin*

DATE, SIGNATURE OF THE TRAINEE FOR INDIVIDUAL REGISTRATIONS:

☐ *Form for agreement and acceptance of the "general registration conditions" following this bulletin*

General conditions of sale of the Manitowoc Crane Group France SAS Training Center

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Article 2 – Dates and locations of the Services

The dates and locations of the Services are set out:
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- or by agreement between one or more training requesters and the Manitowoc Training Center (training convention).

Article 3 – Registrations

Registration for the Services offered by Manitowoc implies the Customer's full acceptance of these general conditions of sale. The Manitowoc Services catalog specifies in detail the objectives, content, teaching methods and formats, the target audience, the field of activity, the pace and any prerequisites for participating in the Training.
Registrations, worded on registration bulletins or sent upon simple request, must reach the Manitowoc Training Center three weeks before the start of Training, accompanied – particularly in the case of individual trainees – by payment of the training fees, unless there are any particular contractual provisions. The signature of the registration document by the employer or by the beneficiary of the Training (hereinafter referred to as the "Customer") constitutes acceptance of the general conditions of registration and participation in Training at the Manitowoc Training Center.

Article 4 – Recognition of the training activity

Proof of attendance, certificates and diplomas can only be transmitted after completion of the Training, the trainee's success in the exam and, where applicable, payment of the full registration fees. In any event, Manitowoc is only bound by an obligation of means and not of results. A certificate can be issued by Manitowoc for the beneficiary of the Training at the end of the Training, in accordance with Article L6353-1 of the French Labor Code.

Article 5 – Price of the Service

The price includes:

c) In all cases, the actual teaching costs (the applicable price is the one in effect on the date of the start of Training, unless otherwise agreed contractually between the training requester and the Manitowoc Training Center) and, if applicable, any ancillary costs including the trainer's or trainers' travel expenses, equipment provisioning costs, tests, etc. Each action is the subject of one or more invoices.
d) Where applicable, accommodation costs (bed and board), the applicable price being that in force during the trainees' reception periods.

Invoicing includes, if applicable, the collection of VAT at the rates applicable under the regulatory conditions.

Article 6 – Payment

All new customers at the Training Center must pay for the Training in full, in advance.
For regular customers, any invoice relating to training fees is payable upon receipt net of discount.
Late invoices that remain unpaid on the due date will be automatically and without formal notice increased by late payment interest at the rate applied by the European Central Bank to its most recent refinancing operation increased by 10 percentage points and upon payment of a flat-rate compensation for recovery costs of 40 euros, in accordance with Articles L441-10 and D441-5 of the French Commercial Code. The rate mentioned below cannot, however, be less than three times the legal interest rate in force. This late payment interest cannot be offset against the mandatory contribution to financing continuing training.

Article 7 – Safety rules

The Customer and the beneficiary of the Training undertake to respect Manitowoc's internal regulations.

The host company manager undertakes to comply with the regulations in force in Articles R4532-63, R4532-64, R4532-66 and R4532-67 of the French Labor Code relating to the specific safety and health protection plan.

Article 8 – Organization of Training

e) All Training at the Manitowoc Training Center is delivered under the technical and teaching authority of the Training Center Director. The training plan is given to participants at the beginning of each training session.
f) A full-time employee at the Manitowoc Training Center is responsible for the teaching of each training session. The session can be entrusted to one or more other full-time or casual employee(s).
g) It must be remembered that registering on the course does not mean automatically obtaining the titles proposed (driving – fitting – dismantling); this depends on the objective success of appropriate tests. In the event of fraud, the trainee may be eliminated. If in doubt, the Manitowoc Training Center reserves the right to have the trainee take a new test.
h) All training actions are subject to one or more participant satisfaction assessments.

Article 9 – Participants' attendance

c) Proof of the trainees' effective participation in all or part of the training for which they are registered takes the form of their signature on the control documents presented to them.
d) At the end of the Training, an attendance certificate will be issued.

Article 10 – Cancellation of registration

Article 10.1 – Cancellation or interruption by the Customer or beneficiary

a) In the event of cancellation of the Training by the Customer or the beneficiary of the Training within a period of eight (8) weeks before the start of the Training, in the event of non-participation in the Training or abandonment during the Training, due to the Customer or beneficiary, all training fees and associated potential accommodation costs are to be borne by the training requester as a flat-rate compensation, except in cases of force majeure.
b) In the event of a registered trainee's late participation in Training, all training fees are to be borne by the training requester as a flat-rate compensation, except in cases of force majeure.
c) Sums invoiced under this Article cannot, by their nature, be offset against the mandatory contribution to financing continuous training.

Article 10.2 – Cancellation or postponement by Manitowoc

Certain circumstances may cause the Manitowoc Training Center either to cancel a training action or to postpone it to a later date. In this case, companies (or individual trainees):

* are notified, except in the event of force majeure, at least one week before the planned start of the training action,
* do not bear any charges or expenses due to the cost of teaching,
* are not entitled to any compensation from the Manitowoc Training Center.

If the dates change, companies (or trainees) can choose either to have the amounts paid refunded or to defer their registration(s) for a later action.

Article 11 – Force majeure

None of the Parties to the T&Cs may be held responsible for their delay or failure to perform one of their obligations under the T&Cs if this results from a case of force majeure defined by Article 1218 of the French Civil Code as an unpredictable, unpreventable and external event.

In addition to the cases of force majeure established by case law, the following are considered force majeure events: strikes, wars, riots, pandemics, acts of terrorism.

If following a case of force majeure, Manitowoc is unable to continue its Service, the convention or contract concluded with the Customer will be terminated automatically without the Customer being able to claim any compensation. The Customer is required to pay pro rata temporis for the Services provided by Manitowoc.

In accordance with Article L6353-7 of the French Labor Code, if, as a result of duly recognized force majeure, the trainee is prevented from participating in the Training, they may terminate the contract; in these cases, only the Services actually provided shall be paid for in due proportion to their value stated in the contract.

Article 12 – Continuous training convention

In accordance with the legislation in force and as per the provisions of the French Labor Code, a training convention is established as set out in Article L6353-1 of the French Labor Code if the Customer is a legal entity or a training convention as set out in Articles L6353-3 to L6353-7 of the same code if it concerns a natural person.

Article 13 – Intellectual property

The rights of use including the rights of representation, reproduction, utilization, adaptation, distribution and modification of the training materials remain the exclusive property of Manitowoc. In accordance with Article L122-4 of the French Intellectual Property Code, any disclosure to third parties, modification or reproduction of all or part of these training courses or of the training materials or documents in any form whatsoever, is prohibited without prior written permission from Manitowoc.

Article 14 – Confidentiality

The Parties undertake to keep confidential information and documents concerning the other Party of whatever nature, whether economic, technical or commercial, to which they may have access during the execution of the T&Cs or during exchanges occurring before their conclusion.

Article 15 – Personal data protection

As part of these general conditions, the Manitowoc Training Center may collect personal data relating to the Customer. In accordance with Article L6353-9 of the French Labor Code, the information requested, in whatever form, by Manitowoc from the Customer, can only have the purpose of assessing their ability to participate in the training action, whether requested, proposed or pursued.

In relation to the data pertaining to them, the Customer has the right of access, rectification, modification and erasure, the right to restrict processing, the right to data portability and the right to object for legitimate reasons, which they may exercise by sending an email to the Manitowoc Data Protection Officer (DPO) at the following address: dpo-dpr@manitowoc.com. The Customer also has the right to lodge a complaint with the French Data Protection Authority "Commission Nationale de l'Informatique et des Libertés" (CNIL), in particular on its website.

Article 16 – Miscellaneous

If any provision of these T&Cs or part thereof is annulled, the other clauses remain unaffected.

Article 17 – Disputes

These general conditions of registration and participation are governed and interpreted under French law.

The Parties will endeavor to amicably settle any disputes arising from these general conditions. In the event of a claim, the customer may submit it to us through the form provided for that purpose.

If no amicable solution is found, the courts of Lyon will have sole jurisdiction to hear any dispute arising from the interpretation or execution of these general conditions.

Bank account details:

NATIXIS

ACCOUNT HOLDER:
MANITOWOC CRANE GROUP France SAS
66 CHEMIN DU MOULIN CARRON
69574 DARDILLY CEDEX

BANKING ESTABLISHMENT:
NATIXIS PARIS (99999)
30 Avenue Pierre Mendes France
75013 PARIS

RIB key: 73

IBAN: FR76 3000 7530 2904 7600 7400 673
Domiciliation: NATIXIS PARIS (99999)
BIC: NATXFRPPXXX

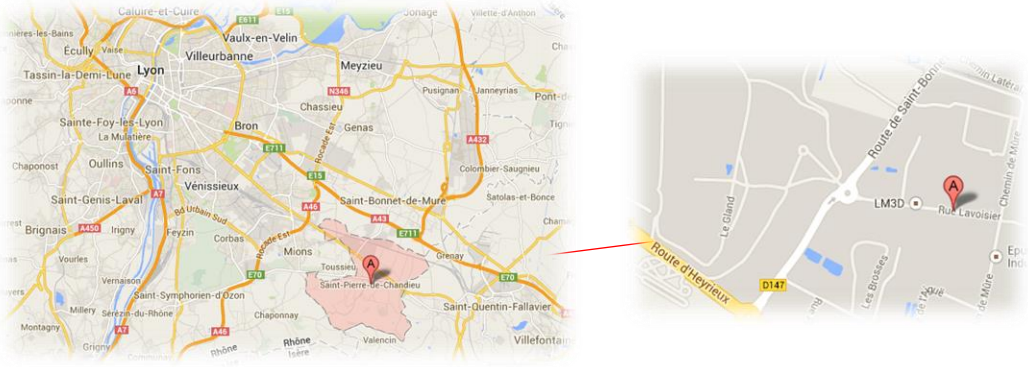
Bank code: 30007
Sort code: 53029
Account number: 04 76 007 4006
RIB key: 73

IBAN: FR76 3000 7530 2904 7600 7400 673
Domiciliation: NATIXIS PARIS (99999)
BIC: NATXFRPPXXX

Practical information

Location

The training center is located at St Pierre de Chandieu (69), 10 min from Lyon airport



5 rue Lavoisier
69780 St Pierre de Chandieu

GPS Coordinates:
Latitude: 45° 38' 47'' N
Longitude: 05° 00' 53'' East

The training rooms

- 6 training rooms: 2 rooms accommodating up to 5 people, 4 rooms accommodating up to 7 people.
- 1 annex building: CACES® training directly on-site
- 2 mechanism rooms with 7 benches.

Changing rooms

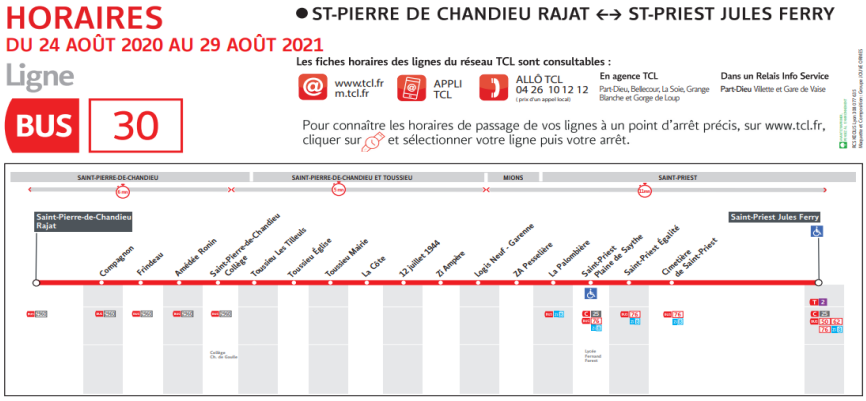
The training center has two changing rooms, Men and Women.

The building complies with standards for the reception of persons with reduced mobility, as well as the toilets and the Men's changing room. Only the Women's changing room is not yet compliant for persons with reduced mobility. For the other disabilities (especially visual) adaptation work is in progress and accompaniment can be provided if necessary.

The toilets have hot and cold water.

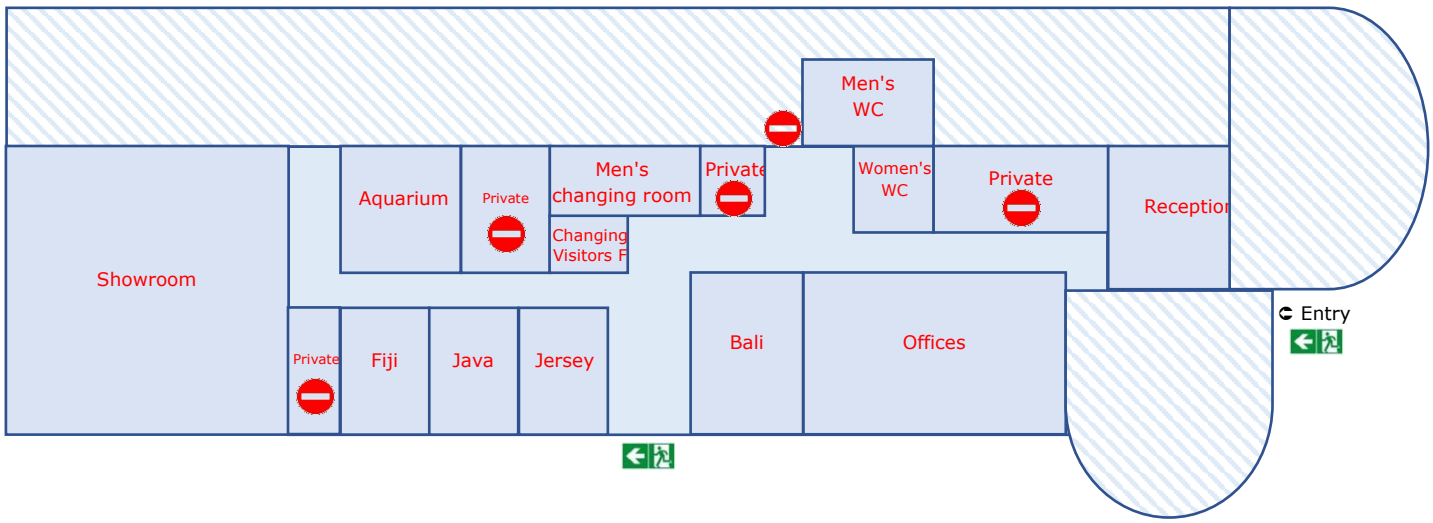
Transport

The training center has amenities and is served by public transport. The bus line is TCL BUS30, bus stop Z.I. Ampère. The center is 500 m from the bus stop.



Due to the isolated location of the training center, a vehicle is highly recommended.

Plan of the training center



Catering

The training center is the partner of a restaurant located 2 km away. The trainer usually takes the trainees in the company cars provided for this purpose.

This "traditional cooking" restaurant can propose dishes adapted to specific dietary requirements. The restaurant must be informed before the training course however (via our intermediary) so that they can obtain their supplies accordingly.

If you do not want to go to the restaurant, you can of course bring your own lunch. Refrigerators and a microwave oven are available in the canteen, to make the lunch break more enjoyable.

Water fountains are available at the training center, as well as bottles of water on the training ground.

Hotel accommodation

Accommodation is available with our partner hotels; special prices have been negotiated. Upon presentation of your course convocation, you are entitled to these special rates.

NAME	Address	Telephone	Formula	Distance from the center	Rating
HÔTEL PARKEST	7 Impasse Louis de Broglie, 69740 Genas	04 27 02 70 04	Room + Breakfast. Business stopover formula possible	9 km	★★★★
KOPSTER HOTEL (Mitoyen Groupama Stadium)	12 avenue Simone Veil 69150 Décines-Charpieu	04 78 17 50 82	Room + Breakfast	15 km	★★★★
HÔTEL GATSBY	36 Rue des Frères Lumière, 69680 Chassieu	04 72 47 01 02	Room + Breakfast	9 km	★★★
COMFORT SUITES LYON EST EUREXPO - EASTLODGE	17 Rue de la Cordière, 69800 Saint Priest	04 81 91 51 02	Room + Breakfast	7 km	★★★
KYRIAD Lyon Est	Rue Jacques Vaucanson, 69720 Saint Bonnet de Mure	04 78 40 42 99	Room + Breakfast	5 km	★★★
IBIS LYON EST CHAPONNAY	125 Rue des Frères Voisin, ZAC du Chapotin, 69970 Chaponnay	04 37 23 10 40	Room + Breakfast	8 km	★★★

The trainee or the trainee's company must make the hotel reservations. The training center does not organize the reservations. The hotel bill must also be paid by the person making the reservation. The rooms are paid for upon arrival at the hotel.

Reception of disabled persons

The MANITOWOC Training Center aims to open its training courses to as many people as possible and strives to adapt its training to disabled persons who are able to follow courses on technical training in the field and on driving tower cranes.

While the training courses are not all compatible with every disability, we strive to best meet the specific requirements of disabled persons, to safeguard and promote the realization of the right to work of all persons.

Please contact us before your training to indicate your specific requirements, so that we can jointly see how to adapt our training courses, in order to welcome you under the best possible conditions.

For further information, please contact the Potain Academy Disability agent at: potainacademy-europe@manitowoc.com

- **Motor disability**

At the training center, the rooms, classrooms, changing rooms, machinery room and toilets are accessible to persons with reduced mobility. The training ground is rough and the surface is packed soil and gravel. It does not comply with the requirements for receiving persons with reduced mobility, but remains accessible.

For persons taking a CACES®, the INRS has been requested to adapt the test to persons with a motor disability. The INRS has not yet replied.

- **Visual disability**

The training ground where the cranes are located is being adapted to make it more visible to persons with visual disabilities.

The premises are marked out, but you can request help to get to the training rooms if you need it.

For persons taking a CACES®, the INRS has been requested to adapt the test to persons with a visual disability. The INRS has not yet replied.

- **Hearing and voice disability**

The technical training courses are generally noisy and may be a source of nuisance for people who are hypersensitive to sound. Unfortunately, we cannot improve this phenomenon as it is related to the product. If necessary, the candidate can wear ear plugs or ear muffs to make the course more enjoyable.

Currently however, the training courses are generally spoken, with course materials distributed. The training courses are based on discussion. Persons who are hard of hearing can request the help of a person using sign language in order to communicate more easily with the trainer, the group and the center team.

For persons taking a CACES®, the INRS has been requested to adapt the test to persons with a visual disability. The INRS has not yet replied.

Road map showing the parking spaces reserved for the disabled

Certification examinations

For the technical training courses, we may allocate extra time for the certification examination for persons with visual handicaps and dyslexia or related problems upon presentation of a medical certificate.

For persons taking a CACES®, the INRS has been requested to adapt the test to persons with any type of disability. The INRS has not yet replied.

NOTES

The Manitowoc Company, Inc.

Regional headquarters

Americas
Milwaukee, Wisconsin, USA
Tel: +1 414 760 4600

Shady Grove, Pennsylvania, USA
Tel: +1 717 597 8121

Europe and Africa
Dardilly, France - TOWERS
Tel.: +33 (0)4 72 18 20 20

Wilhelmshaven, Germany - MOBILE
Tel.: +49 (0) 4421 294 0

APAC
Shanghai, China
Tel.: +86 21 6457 0066

Singapore
Tel.: +65 6264 1188

Middle East and India
Dubai, UAE
Tel: +971 4 8862677

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