Training Catalog 2024

Zhang Jiagang, China

POTAIN®
by Manitowoc

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Manitowoc Crane Equipment (China) Co., Ltd
39 Jintang Road, Zhangjiagang City,
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Training Center Objectives

Location

- APAC training facilities offer extensive hands-on training labs. These labs have been designed to equip technicians with the necessary skills and technical knowledge in crane safety, erection, operation and troubleshooting. Our facilities are located strategically to provide ease access to our factories and machines.

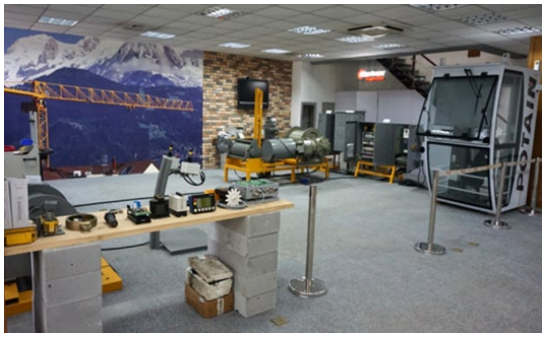
Our Certifications

- Manitowoc certification will be provided upon successful completion of courses.

Our Global Offer

- Crane operation, crane technology, crane diagnostics, crane erection, crane maintenance, crane safety, or any other specific course according to your needs.

Training Equipment



- MCH125 training crane
- Hoisting mechanisms:

  33PC,70RCS,40LVF, 50LVF, 75LVF

  100LVF
- Slewing mechanisms:

  RCV145,RCV185,RVF152/162
- Trolley & Luffing mechanisms:

  4D3V3,DVF,40VVH
- Cabin (V140S) with Visu II and Datalogger

Registration:

You will find enclosed "registration purchase order" form which must be filled in and returned to the training centers for confirmation. Trainees must be over 18 years old.

We, *MANITOWOC,* deny responsibility for accidents and/or illnesses that might occur during the training courses. We therefore request, that you cover your trainees against any kind of risks and provide them with the necessary insurance certificates and forms.

Find us on Our Website
www.manitowoccranes.com

Training Arrangements

Cost:

Refer to training schedule.

Please note that the cost of training excludes hotel accommodation, meals, and transportation.

Trainee's Journey:

Please inform the training centers of the trainees' travel arrangements.

Clothing:

All our training programs involve numerous practical exercises outside. Please let the trainees know that they should therefore bring suitable shoes and working clothes. We will lend safety glasses and helmets to the trainees. For the practical training: working clothes, gloves and steel-capped shoes are needed.

Cancellation:

In case of cancellation, please inform the training Center immediately to avoid extra charges.

Course Summary:

Course Name	Description
Tower Crane	
E. POTAIN 1	Commissioning
E. POTAIN 2	Repair for small crane under MCT275
E. POTAIN 3	Repair for big crane upper MCT325
E. POTAIN INVERTOR	Special for invertor diagnosis
E. POTAIN HYDRAULIC LUFFING	Special for MCH crane
E. POTAIN ERECTION	Special for crane erection

E POTAIN 1

Aim/Course Goals :

Commissioning and setting of Potain's crane

Program:

- Potain cranes introduction;
- Potain Mast introduction;
- Potain Mechanism introduction;
- Potain crane operation;
- Load curve of tower crane principle;
- How to adjustments of the safety devices:
  ① Description and location;
  ② Working principle;
  ③ Adjustment procedure: Limit switch, moment cutout, MSWL;
  ④ specific safety devices Study and adjustment of brake and weather-vanning.

Training Methods:

- Lectures and practical exercises*
- Trouble-shooting, practical exercises*

Materials and Classrooms Used:

- Training room*
- Technical documents
- Simulators or MCH125 crane*

Validation of Knowledge:

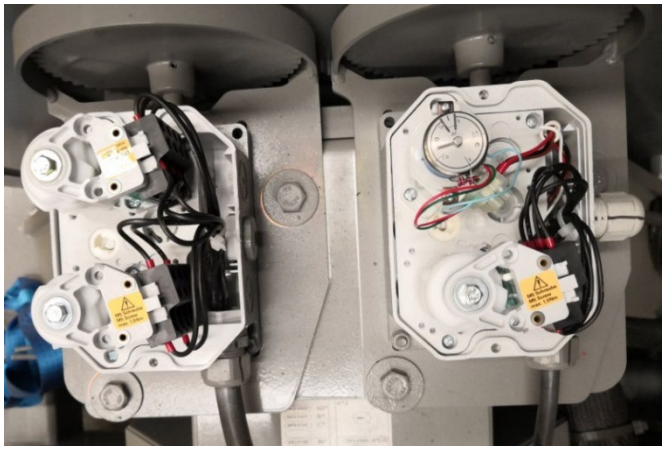
- Daily tasks and final test.
- Presentation of certificate.

Dates :

- 04.03 – 08.03
- 15.04 – 19.04
- 17.06 – 21.06
- 19.08 – 23.08
- 14.10 – 18.10
- Offering this course online also.
- **Online sessions are limited to lectures, no practical exercises and simulator access, relative training costs will be adjusted accordingly.*

Cost: <u>Excluding Tax</u>

- APAC: USD1200
- China: RMB3000
- Special price for big groups and internal staff.



Prerequisites:

Basic knowledge in electricity

Duration:

5 days

*Online training time will be shortened accordingly

Capacity:

8 students, minimum 4

E POTAIN 2

Aim/Course Goals :

Electrical repairs for MC125/175/MCT138/MCT188 etc.

Program:

- Electrical Basic:
  ① Technology, operation and symbol of the electric components;
  ② Methods of measurement of the electric quantities;
  ③ Realization practices wiring;
- Introduction of 33PC or 40/60LVF or 55RCS Hoisting mechanism;
- Introduction of RCV Slewing mechanism;
- Introduction of D3V Trolley mechanism;
- Exercise of trouble shooting;
- PLC and frequency invertor basic technology (Option).

Training Methods:

- Lectures and practical exercises*
- Trouble-shooting, practical exercises*

Materials and Classrooms Used:

- Training room*
- Technical documents
- Mechanism Simulators*

Validation of Knowledge:

- Pretest
- Final test at the end of the training course.
- Presentation of certificate.

Dates :

- 11.03 – 15.03
- 13.05 – 17.05
- 08.07 – 12.07
- 02.09 – 06.09
- 04.11 – 08.11
- Offering this course online also.
- **Online sessions are limited to lectures, no practical exercises and simulator access, relative training costs will be adjusted accordingly.*

Cost: <u>Excluding Tax</u>

- APAC: USD1200
- China: RMB3000
- Special price for big group and internal staff.

Prerequisites:

The trainees must be validated in E POTAIN 1

Duration:

5 days

*Online training time will be shortened accordingly

Capacity:

8 students, minimum 4

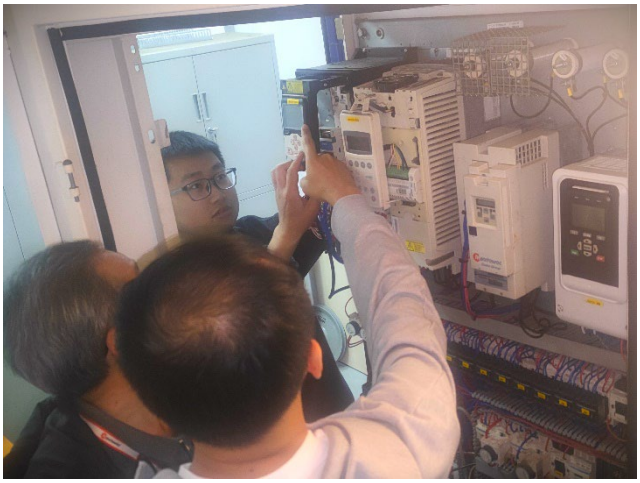
E POTAIN 3

Aim/Course Goals :

- Have an advanced knowledge on the MC/MCR/MCT/MRH cranes with mechanisms controlled by frequency converters.
- Enable technicians to troubleshoot crane failures and to do adjustment on the mechanisms.

Program:

- PLC and frequency invertor basic technology;
- Introduction of 75LVF/75LVFC /100LVF Hoisting mechanism;
- Introduction of RVF Slewing mechanism;
- Introduction of DVF/DVFC Trolley mechanism;
- Adjustment of system Dialog ***VISU*** II or Datalogger;
- Exercise of trouble shooting;
- Study of the field problem cases.



Training Methods:

- Lectures and practical exercises*
- Trouble-shooting, practical exercises*

Materials and Classrooms Used:

- Training room*
- Technical documents
- Mechanism Simulators*

Validation of Knowledge:

- Pretest
- Final test at the end of the training course.
- Presentation of certificate.

Dates :

- 18.03 – 22.03
- 20.05 – 24.05
- 22.07 – 26.07
- 23.09 – 27.09
- 18.11 – 22.11
- Offering this course online also.
- **Online sessions are limited to lectures, no practical exercises and simulator access, relative training costs will be adjusted accordingly.*

Cost: <u>Excluding Tax</u>

- APAC: USD1200
- China: RMB3000
- Special price for big groups and internal staff

Prerequisites:

The trainees must be validated in E POTAIN 1 & 2.

Duration:

5 days

*Online training time will be shortened accordingly.

Capacity:

8 students, minimum 4

E POTAIN INVERTER
Dealer only

Aim/Course Goals:
- Proper diagnosis of inverter failures;
- Basic trouble shooting on various inverters.

Program:
- In-depth study every spare parts function on various invertor which including:
  ① KEB invertor;
  ② Schneider invertor;
  ③ ABB invertor;
  ④ Guide invertor;
- Dismantle and re-install the parts of various invertor;
- Exercise of trouble shooting.

Training Methods:
- Lectures and practical exercises*
- Trouble-shooting, practical exercises*

Materials and Classrooms Used:
- Training room*
- Technical documents
- Mechanism Simulators*

Validation of Knowledge:
- Pretest;
- Final test at the end of the training course.
- Presentation of certificate.

Dates :
- Upon request.
- Offering this course online also.
- **Online sessions are limited to lectures, no practical exercises and simulator access, relative training costs will be adjusted accordingly.*

Cost: <u>Excluding Tax</u>
- APAC: USD1500
- China: RMB5000
- Special price for big groups and internal staff.

Prerequisites:
The trainees must be validated in E POTAIN 1 & 2 & 3.

Duration:
5 days
*Online training time will be shortened accordingly.

Capacity:
8 students, minimum 4

E POTAIN HYDRAULIC LUFFING

Aim/Course Goals :
- Hydraulic repairs for MCH crane;
- Understand the knowledge of hydraulic system.

Program:
- Hydraulic Basic;
- Introduction of 40VVH luffing mechanism;
- Replace luffing cylinder on the air (option);
- Exercise of trouble shooting.

Training Methods:
- Lectures and practical exercises*
- Trouble-shooting, practical exercises*

Materials and Classrooms Used:
- Training room*
- Technical documents
- Mechanism Simulators & MCH125 crane*

Validation of Knowledge:
- Pretest;
- Final test at the end of the training course.
- Presentation of certificate.

Dates :
- Upon request.
- Offering this course online also.
- **Online sessions are limited to lectures, no practical exercises and simulator access, relative training costs will be adjusted accordingly.*

Cost: <u>Excluding Tax</u>
- APAC: USD1200
- China: RMB3000
- Special price for big groups and internal staff.

Prerequisites:
Basic knowledge in Hydraulic;
The trainees must be declared fit to work at great heights.

Duration:
5 days
*Online training time will be shortened accordingly.

Capacity:
8 students, minimum 4

E POTAIN ERECTION

Aim/Course Goals:

- Have a good knowledge of erection and first commissioning of MC ,MCT and MCR series Crane
- Understand crane functions .
- Study safety work in erection.

Program:

- Tower crane range , Identification , technical specification
  1. Efforts operating the crane reactions to the supports.
  2. Crane introduction, crane range, identification.
  3. Technical data specification.
- Tower crane safety
  1. Crane safety
  2. Basic sling
  3. PPE (Personal protective equipment)
  4. Tower crane safety device
- Erection procedures
  1. Erection planning
  2. Prepare and check before crane erection
  3. Crane erection
  4. Adjustment of safety devices
- Principle of telescopic cage
  1. Basic hydraulic
  2. Prepare before telescopic
  3. Raising
  4. Hands on telescopic cage

Training Methods:

- Lectures and practical exercises*
- Telescoping exercises*
- Use of specific documents

Materials and Classrooms Used:

- Training room*
- Specific documents
- MCH125 Crane*

Validation of Knowledge:

- Final test at the end of the training course.
- Presentation of certificate.

Dates :

- Upon request.
- Offering this course online also.
- **Online sessions are limited to lectures, no practical exercises and simulator access, relative training costs will be adjusted accordingly.*

Cost: <u>Excluding Tax</u>

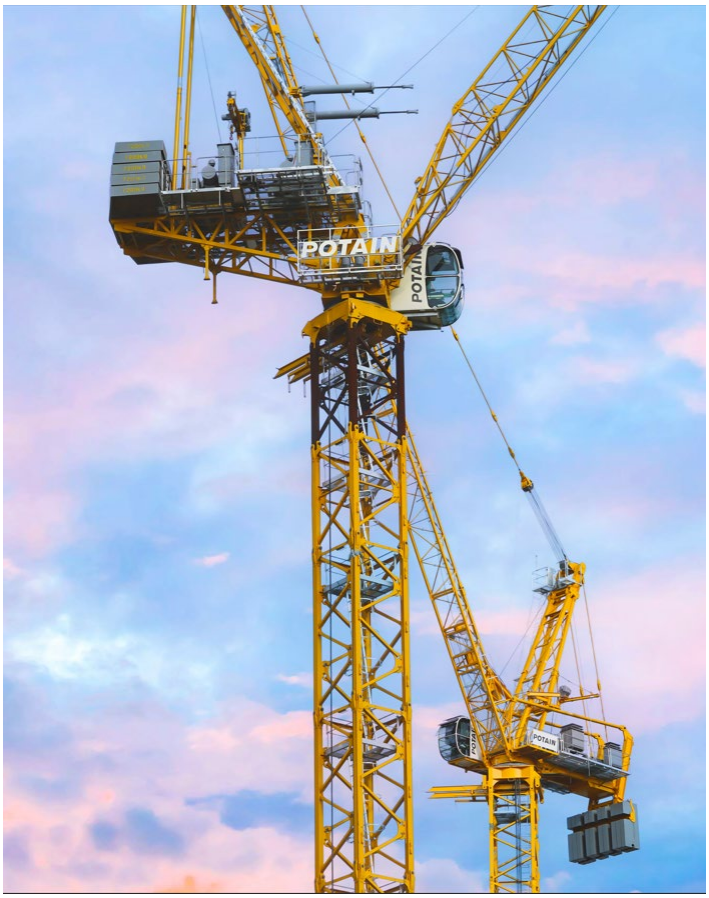
- APAC: USD1200
- China: RMB3000
- Special price for big groups and internal staff.

Prerequisites:

Basic knowledge in Hydraulic;
The trainees must be declared fit to work at great heights.

Duration:

5 days
*Online training time will be shortened accordingly.



Registration Form

NO:39, JINTANG ROAD ZHANGIJAGANG, JIANGSU,CHINA

PURCHASE ORDER - TRAINING REGISTRATION

P.O.Ref: Date:

COMPANY

Company Name:

Address:

Phone: Email:

Billing Address:

TRAINING

Title of training course: Date:

Location:

Fee:

PARTICIPANT

Given Name: First Name:

Email: Phone:

Educational Qualification:

Designation: Experience: Month / Years

TRAVEL INFORMATIONS

Hotel reservation required: Yes /No | Transfer - Training centre required: Yes / No

Flight details: Arrival:

Departure:

Transfer - Airport required: Yes / No

REMARKS

PREVIOUS KNOWLEDGE / COMPLETED TRAINING

SIGNATURE : **COMPANY**

DATE: **SEAL**

I/we here by the undersigned, declare that I have read & Understood the terms and conditions

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Dubai, UAE
Tel: +971 4 8862677

Manitowoc Crane Care

Manitowoc Crane Care when you need it.
The assurance of the world's most advanced crane service and support to get you back to work fast.

Manitowoc Finance

Manitowoc Finance helps you get right to work generating profits for your business.
Financial tools that help you capitalize on opportunity with solutions that fit your needs.

This document is non-contractual. Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment.

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www.manitowoccranes.com