



# TEREX®

## TRAINING CATALOG 2024



# FACTORY COURSES

TEREX IS THE COMPLETE TRAINING PACKAGE FOR YOUR SERVICE TECHNICIANS & OPERATORS.

The factory courses offer in-depth instructional learning with hands on experience like no other. Your student will receive documentation and student course information that is clearly written and understandable. The hands-on experience with simulators and machines (if available), will reinforce the classroom content. These courses are available at the Terex training facility or at your location.

Learn more at: <https://www.my.terex.com>

## COURSE OFFERINGS

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# PREFACE

## Please Contact Us

In this brochure, you will find details of the courses available within the Terex North America customer training course program.

If you have any questions concerning our training courses please do not hesitate to contact us.



**Robert Ourt**  
Technical Trainer  
T +1 910 279 3940  
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## Location

Terex USA, LLC  
3147 South 17th St., Suite 100  
Wilmington, NC. 28412



# OUR MISSION

To offer our students, the most complete crane training in our industry.

To provide consistent, structured, and accurate world class training to our distributors, customers and team members.

To ensure the progressive learning and understanding of Terex Cranes to properly operate, maintain and troubleshoot our customers' investment.

# TRAINING

## Commitment to Excellence

Terex Technical Training can provide results to your operators, technicians and all other service personnel.

The Technical Training Group in Wilmington, NC. USA are well diversified in their crane knowledge.

From operation, troubleshooting and set up, our instructors can provide you with the needed skill sets for all your machines to maximize your crane uptime.

Our Technical Training Group can provide the most comprehensive training session You will be able to see your student's skill sets and with our training programs, allow your students to learn new products with the same consistent training.

Safety, productivity, consistency, confidence and value increase with crane knowledge. Invest today for your future.





# TEREX®



## TTCT-001 TEREX TOWER CRANE SK LEGACY (INTERCONTROL PLC)

### Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,  
Adobe Reader software installed

### Course Cost & Availability

Please contact:

Robert Ourt  
(T) +1 910 279 3940  
(E) Robert.Ourt@terex.com

### Duration: 5 days

M-Th 8 am - 4:30 pm

Fri 8 am - 2 pm

### Course Summary:

This course will help your technicians to have a basic understanding of the entire SK product line ranging from the SK 315, SK 405, SK 415 and SK 575 tower cranes. This program assumes no basic service and operational knowledge of Terex tower crane systems. Job site safety in relation to tower cranes is covered to ensure the students are aware of potential hazards present on the job site. We begin with the basic components which make up a tower crane and their functions. Once the basics have been covered we move on to the information contained in the crane data sheet such as the load chart, foundation types and component specifications. This will lead into a more in-depth discussion of crane terminology and technology so the students can relate to cranes' individual components and systems.

Next we look at the process of erecting a tower crane from the foundation all the way through commissioning. This includes the interaction of the different components within the electrical control system from the PLC through the electrical cabinets, operator's display, limit switches, relays and drive

controls. These individual component functionalities will be discussed and the student will learn the role each one plays in the operation of a tower crane. Electrical schematic symbols and circuit functionality will also be covered. Maintenance schedules concerning major components (hoisting, slewing and traveling) are covered to ensure that the student is aware of the importance of maintenance and can recognize potential problem areas while in the field.

### Course Subjects Covered:

- Crane terminology
- Proper safety and set-up
- Electrical schematic symbols & navigation
- System electrical control circuit functionality
- LMI set up
- Setup and commissioning
- PLC and frequency drive I/O







# TEREX®



## TTCT-002 TEREX TOWER CRANE CTT LEGACY (CTT 331)

### Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,  
Adobe Reader software installed

### Course Cost & Availability

Please contact:

Robert Ourt  
(T) +1 910 279 3940  
(E) Robert.Ourt@terex.com

### Duration: 5 days

M-Th 8 am - 4:30 pm

Fri 8 am - 2 pm

### Course Summary:

This program assumes no basic service and operational knowledge of Terex tower crane systems. This course is based on the CTT331-16 and applies to the CCT561 as well. Job site safety in relation to tower cranes is covered to ensure the students are aware of potential hazards present on the job site. Once the basics have been covered we move on to the information contained in the crane data sheet such as the load chart, foundation types and component specifications. This will lead into a more in-depth discussion of crane terminology and technology so the students can relate to a crane's individual components and systems.

Next we look at the process of erecting a tower crane from the foundation through commissioning. This includes the interaction of the different components within the electrical control system from the PLC's through the electrical cabinets, operator's display, limit switches, relays and drive controls. These individual component functionality will be discussed and the student will learn the role each one plays in the operation of a tower crane. Electrical schematic symbols and circuit functionality will also be covered.

Maintenance schedules concerning major components (hoisting, slewing and traveling) are covered to ensure that the student is aware of the importance of maintenance and can recognize potential problem areas while in the field.

### Course Subjects Covered:

- Crane terminology
- Proper safety and set-up
- Electrical schematic symbols & navigation
- System electrical control circuit functionality
- LMI set up
- Setup and commissioning
- PLC and frequency drive I/O





# TEREX®



## TTCT-003 TEREX TOWER CRANE CTT ABB Control System (CTT 472)

### Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,  
Adobe Reader software installed

### Course Cost & Availability

Please contact:

Robert Ourt  
(T) +1 910 279 3940  
(E) Robert.Ourt@terex.com

### Duration: 5 days

M-Th 8 am - 4:30 pm

Fri 8 am - 2 pm

### Course Summary:

This course is based on the CTT 472-20 but also applies to the CTT132, 172, and 202. Job site safety in relation to tower cranes is covered to ensure the students are aware of potential hazards present on the job site. Once the basics have been covered we move on to the information contained in the crane data sheet such as the load chart, foundation types and component specifications. This will lead into a more in-depth discussion of crane terminology and technology so the students can relate to a crane's individual components and systems.

Next we look at the process of erecting a tower crane from the foundation through commissioning. This includes the interaction of the different components within the electrical control system from the PLC's through the electrical cabinets, operator's display, limit switches, relays and drive controls. These individual component functionality will be discussed and the student will learn the role each one plays in the operation of a tower crane. Electrical schematic symbols and circuit functionality will also be covered.

Maintenance schedules concerning major components (hoisting, slewing and traveling) are covered to ensure that the student is aware of the importance of maintenance and can recognize potential problem areas in the field.

### Course Subjects Covered:

- Crane terminology
- Proper safety and set-up
- Electrical schematic symbols & navigation
- System electrical control circuit functionality
- LMI set up
- Setup and commissioning
- PLC and frequency drive I/O







# TEREX®



## TTCT-004 TEREX TOWER CRANE CTT332 (Mitsubishi)

### Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,  
Adobe Reader software installed

### Course Cost & Availability

Please contact:

Robert Ourt  
(T) +1 910 279 3940  
(E) Robert.Ourt@terex.com

### Duration: 5 days

M-Th 8 am - 4:30 pm

Fri 8 am - 2 pm

### Course Summary:

This course is based on the CTT332-16 and also applies to the 162 & 182. Job site safety in relation to tower cranes is covered to ensure the students are aware of potential hazards present on the job site. Once the basics have been covered we move on to the information contained in the crane data sheet such as the load chart, foundation types and component specifications. This will lead into a more in-depth discussion of crane terminology and technology so the students can relate to a crane's individual components and systems.

Next we look at the process of erecting a tower crane from the foundation through commissioning. This includes the interaction of the different components within the electrical control system from the PLC's through the electrical cabinets, operator's display, limit switches, relays and drive controls. These individual component functionality will be discussed and the student will learn the role each one plays in the operation of a tower crane. Electrical schematic symbols and circuit functionality will also be covered.

Maintenance schedules concerning major components (hoisting, slewing and traveling) are covered to ensure that the student is aware of the importance of maintenance and can recognize potential problem areas in the field.

### Course Subjects Covered:

- Crane terminology
- Proper safety and set-up
- Electrical schematic symbols & navigation
- System electrical control circuit functionality
- LMI set up
- Setup and commissioning
- PLC and frequency drive I/O





# TEREX®



## TTCT-005 TEREX TOWER CRANE CTL272-18 (ABB Control System)

### Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,  
Adobe Reader software installed

### Course Cost & Availability

Please contact:

Robert Ourt  
(T) +1 910 279 3940  
(E) Robert.Ourt@terex.com

### Duration: 5 days

M-Th 8 am - 4:30 pm

Fri 8 am - 2 pm

### Course Summary:

This course is based on the CTL272. Job site safety in relation to tower cranes is covered to ensure the students are aware of potential hazards present on the job site. Once the basics have been covered we move on to the information contained in the crane data sheet such as the load chart, foundation types and component specifications. This will lead into a more in-depth discussion of crane terminology and technology so the students can relate to a crane's individual components and systems.

Next we look at the process of erecting a tower crane from the foundation through commissioning. This includes the interaction of the different components within the electrical control system from the PLC's through the electrical cabinets, operator's display, limit switches, relays and drive controls. These individual component functionality will be discussed and the student will learn the role each one plays in the operation of a tower crane. Electrical schematic symbols and circuit functionality will also be covered.

Maintenance schedules concerning major components (hoisting, slewing and traveling) are covered to ensure that the student is aware of the importance of maintenance and can recognize potential problem areas in the field.

### Course Subjects Covered:

- Crane terminology
- Proper safety and set-up
- Electrical schematic symbols & navigation
- System electrical control circuit functionality
- LMI set up
- Setup and commissioning
- PLC and frequency drive I/O







# TEREX®



## TTCT-006 TEREX TOWER CRANE CTL340/430

### Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,  
Adobe Reader software installed

### Course Cost & Availability

Please contact:

Robert Ourt  
(T) +1 910 279 3940  
(E) Robert.Ourt@terex.com

### Duration: 5 days

M-Th 8 am - 4:30 pm

Fri 8 am - 2 pm

### Course Summary:

This course is based on the CTL340 and applies to the CTL430 as well. Job site safety in relation to tower cranes is covered to ensure the students are aware of potential hazards present on the job site. Once the basics have been covered we move on to the information contained in the crane data sheet such as the load chart, foundation types and component specifications. This will lead into a more in-depth discussion of crane terminology and technology so the students can relate to a crane's individual components and systems.

Next we look at the process of erecting a tower crane from the foundation through commissioning. This includes the interaction of the different components within the electrical control system from the PLC's through the electrical cabinets, operator's display, limit switches, relays and drive controls. These individual component functionality will be discussed and the student will learn the role each one plays in the operation of a tower crane. Electrical schematic symbols and circuit functionality will also be covered.

Maintenance schedules concerning major components (hoisting, slewing and traveling) are covered to ensure that the student is aware of the importance of maintenance and can recognize potential problem areas in the field.

### Course Subjects Covered:

- Crane terminology
- Proper safety and set-up
- Electrical schematic symbols & navigation
- System electrical control circuit functionality
- LMI set up
- Setup and commissioning
- PLC and frequency drive I/O





# TEREX®



## TTCT-007 TEREX TOWER CRANE SK452 (ABB Control System)

### Prerequisites:

Experience / Skill: 1-2 years

Required equipment: Laptop,  
Adobe Reader software installed

### Course Cost & Availability

Please contact:

Robert Ourt  
(T) +1 910 279 3940  
(E) Robert.Ourt@terex.com

### Duration: 5 days

M-Th 8 am - 4:30 pm

Fri 8 am - 2 pm

### Course Summary:

This course is based on the SK452-20. Job site safety in relation to tower cranes is covered to ensure the students are aware of potential hazards present on the job site. Once the basics have been covered we move on to the information contained in the crane data sheet such as the load chart, foundation types and component specifications. This will lead into a more in-depth discussion of crane terminology and technology so the students can relate to a crane's individual components and systems.

Next we look at the process of erecting a tower crane from the foundation through commissioning. This includes the interaction of the different components within the electrical control system from the PLC's through the electrical cabinets, operator's display, limit switches, relays and drive controls. These individual component functionality will be discussed and the student will learn the role each one plays in the operation of a tower crane. Electrical schematic symbols and circuit functionality will also be covered.

Maintenance schedules concerning major components (hoisting, slewing and traveling) are covered to ensure that the student is aware of the importance of maintenance and can recognize potential problem areas in the field.

### Course Subjects Covered:

- Crane terminology
- Proper safety and set-up
- Electrical schematic symbols & navigation
- System electrical control circuit functionality
- LMI set up
- Setup and commissioning
- PLC and frequency drive I/O





# CUSTOM ONSITE TRAINING

## DESIGNED TO MEET YOUR NEEDS

### SCOPE

Our instructors and developers will bring a different type of training to your students. Allowing them to understand our products at a much easier and faster pace as the content will be based on your machines and tailored to your immediate needs.

Training at your location can either be operator, maintenance or technical troubleshooting.

### CONTENT

#### MACHINE SPECIFIC

Operator: These courses will include proper set-up and safety, load charts, ground bearing pressures, proper LMI setup, operation and navigation. Daily maintenance requirements, and any other special requirements that an operator must know.

Technical: These courses will include proper set-up and safety and load charts. Understanding of all control circuits and systems, LMI interaction, schematics, troubleshooting, and general maintenance items.

### DEVELOPMENT TIME

Depending on the complexity of the machine, the number of the machines and whether it would be operator or technician training, the development time could be 8-10 weeks. Once we have determined your needs and have looked at our schedule, we would be able to give you a better idea of the development time.

### COURSE TIME

The course length will be determined by the type of course, complexity of machine, number of students, and the percentage of training time (classroom and/or practical).

### TRAINING COST

The cost of the course would be dependent upon the number of days and include the instructor's travel expenses (airfare, lodging, meals and ground transportation). A better understanding of the overall training cost can be obtained once we have received your information. Please fill out and submit a [Custom Training Request](#).

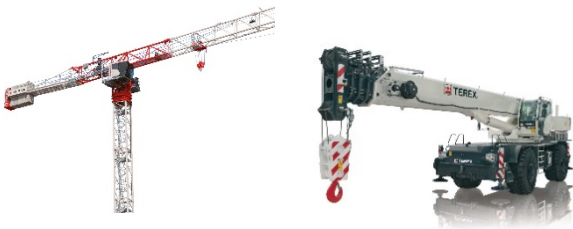
### CONFIRMATION

Once we have received and reviewed your request, we will send you a quotation with the cost and proposed training dates. Confirmation of your training is secured once payment information (purchase order number or credit card) is received.



[www.terex.com/cranes](http://www.terex.com/cranes)

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**WORKS FOR YOU.™**