

# SOTOSAFETY CRANE & LIFTING Inc.

Orlando – Florida (USA)

“Overseeing Safety in the Lifting Industry”

## Tower Crane Inspector Training



*This program covers a broad spectrum of Tower Crane Inspection according OSHA and ASME requirements. Participants will learn how to safely and effectively inspect your specific overhead crane and related components.*

*This training is suitable for operators, supervisors and all personnel involved in safety of overhead lifting equipment. The program is applicable to all capacities and types of Tower Cranes.*

For more information visit our Web Site:

<http://sotosafety.jimdo.com>

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# Tower Crane Inspector Training

This training has been developed to address the applicable ASME Standards and OSHA Regulations. The program consisting of a comprehensive in-class training and testing session followed by a customized hands-on instruction and evaluation session. The program covers a broad spectrum of tower crane inspection, operation and rigging, focusing on those particular to your operation. Participants will learn how to safely and effectively inspect your specific tower crane and related components. This program is suitable for operators, supervisors and all personnel involved in safety of lifting operations. The training is applicable to all capacities and types of tower cranes.

## TRAINING CONTENT

- Tower Crane Terminology & Applicable Standards of the industry (ANSI/ASME standards)
- Federal Regulations Applicable to Tower Cranes (OSHA regulations)
- OSHA & ANSI/ASME Compliant requirements and manufacturer compliance
- Types of tower cranes. Identification of various types of tower cranes based on their features and characteristics.
- Tower crane components
- Tower Crane Inspection, When to perform an inspection
- Operational Inspection Guidelines and Inspection Checklist
- Operational requirements of the tower crane, Rated Capacity, stopping with a load
- Lockout/Tagout
- Inspection of safety devices and Mechanical Components, Crane Sequences, Warning Devices, Limit Switches, Brakes, Drums, Footwalks, Ladders, Hooks, Guarding, Motors, Insulators, Collectors.
- Recordkeeping and documentation
- Frequent and periodic inspections
- Pre-use inspection
- Crane safety hand signals
- Recognition and identification of hazards associated with the operation of tower cranes
- Inspection of the crane operation area for hazards
- Procedures for removal of a crane from service
- Rigging loads. Definition of rigging
- Types of Slings
- Rigging Hardware and additional lifting devices
- Identify common types of rigging
- Identify the angle of rigging when lifting
- Load weight calculations and balancing requirements
- Determining the load's center of gravity
- Capacity ratings. Determining load limit of rigging
- Safely rigging the load
- Identify hazards when rigging a load
- Rigging inspection



The training is for 3 days. 2 days in class session and 1 day in a customized hands-on session on site at your location. The participants are required to successfully complete a written test, and they are evaluated on their practical knowledge, ensuring they fully understand the training they received. They must achieve a minimum of 85% on both sessions for successful completion.

## Program includes:

- In-class instruction
- Rigging Manual
- Inspection Checklist
- Practical operating instruction and evaluation
- Written examination
- Certificates (for participants with 85% passing score on both written and practical tests)



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