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HS053-3D:
Overhead Crane Inspector Certification

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Training Description:

This intensive training course is designed to provide a proper training and certification for those involved in the safety operation of overhead cranes. It covers the bridge cranes, monorail cranes or double girder cranes, jib hoists and boom type cranes. Participants will be given lectures and practical sessions and they will go through an inspection assignment for an overhead crane.

At the completion of the course, participants will be able to perform overhead crane inspection and operation; identify the various types of overhead cranes including their features and characteristics; recognize the possible problems to look for during inspections; operate overhead crane in a safely manner and apply the correct procedures during the operation; maintain crane; use proper devices and procedures when rigging loads; carryout rigging inspection; and identify the rigging precautions when rigging a load, the preferred sling angle when lifting and how to determine load center of gravity.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Get certified as a "Certified Crane Inspector"
- ✓ Apply and gain an in-depth knowledge on overhead cranes operation, inspection and maintenance
- ✓ Recognize different types and functions of overhead cranes
- ✓ Inspect the overhead cranes properly
- ✓ Operate and maintain overhead crane safely
- ✓ Use proper devices and procedure when rigging load

Training Designed for:

This course is intended for those involved in the operation, inspection or maintenance of overhead cranes including engineers, inspectors and other technical and rigging staff.

Training Program:

DAY ONE:

- ❖ PRE-TEST
- ❖ Introduction
- ❖ Overhead Cranes
  - Bridge Cranes, Monorail Cranes or Double Girder Cranes, Jib Hoists, Boom Type Cranes
- ❖ Overhead Crane Inspection
  - When to Perform an Inspection, The Inspection Checklist
- ❖ Overhead Crane Operation
  - Operation Considerations, Rated Capacity, Stopping with a Load, Using the Control Pendant
- ❖ Rigging
  - Safely Rigging the Load, Slings, Additional Lifting Devices, Plate Clamps, Engineering Devices, Determining Load Limit, Determining the Load's Center of Gravity
- ❖ Recap

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DAY TWO:

- Recognize Different Types of Overhead Cranes and How They Work
  - Identify Various Types of Overhead Cranes on their Features and Characteristics, Identify the Major Parts of an Overhead Crane, Different Types of Overhead Crane Move
- Properly Inspect Overhead Cranes
  - Recall When Overhead Cranes Must be Inspected, Identify the Parts of an Overhead Crane that Must be Inspected, Identify Possible Problems to Look for During Inspections, Identify Procedures to Follow if Damage is Found During an Inspection
- Safely Operate an Overhead Crane
  - Identify possible Hazards when Operating an Overhead Crane, Recall where to Find the Rated Capacity of a Crane, Recognize how to Measure Load Weight, Recognize Ways to Ensure a Safe Load before Lifting
  - Never Leave a Suspended Load Unattended, Identify Factors that Affect How Far a Crane Might Travel After Control Button Has Been Released, Recognize How the Buttons Work on a Control Pendant, Identify the Correct Procedures for Operating Overhead Cranes
- Recap
- Practical Sessions/Site Visit

DAY THREE:

- Crane Maintenance
- Use Proper Devices and Procedures When Rigging Loads
  - Define Rigging, Identify Common Types of Rigging, Describe Rigging Inspection
  - Identify Safety Precautions when Rigging a Load, Identify the Preferred Sling Angle when Lifting, Identify How to Determine Load Center of Gravity
- Course Conclusion
- POST-TEST and EVALUATION

Training Requirement:

"Hand's on practical sessions, equipment and software will be applied during the course if required and as per the client's request".

Please note that the above topics can be amended as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Software & General Discussions
- Pre and Post Test

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Training Certificate(s):

Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

As per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:30	Recess (Prayer Break & Lunch)
13:30 - 15:00	Last Session

For training registrations or in-house enquiries, please contact:

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Training & Career Development Department