KNOWLEDGE
For Training

1. Course Details:

Course Code : HSEM-019
Course Title : Certified Safe Lifting & Rigging Operations - Basic
Course Duration : 5 Days

2. Course Overview

- This is the ideal training program for cranes lifting, rigging and inspection team. The latest OSHA and ASME lifting and rigging equipment standards are thoroughly covered, inspection checklists are provided, and students learn how to properly document the inspection. Both classroom and hands-on training are included.
- This is an excellent training program for companies wanting to perform their own on-site mobile and tower crane inspections and for third-party inspectors wanting to increase their knowledge and skill. It covers the details of crane operation with emphasis on how to control the load, pre-operational inspection, and setup and safety devices.
- This program has been designed also to ensure that rigging personnel meet OSHA's definition of a "qualified rigger".

3. Learning Outcomes:

- Understand the fundamentals of
- Rigging &Lifting operations.
- Effectively inspect, audit the rigging equipment's and operations
- Be able to prepare a lifting plan
- Recognize lifting Hazards and controls
- Interpret load charts correctly
- Understand the safe rigging procedures
- Learn Hand signals



4. Course Contents:

- Rigging as a part of the lifting operation which forms the link between the crane and the load.
- Rigging procedures and skills
- Main hazards of rigging
- State Rigging Operation Personal Safety Practices
- PROTECTIVE CLOTHES AND EQUIPMENT
- Safety Rules in Lifting Operations

- Capacity/Safe Working Load (SWL) and all other rigging calculations
- Equipment Inspection
- Signals and Instructions
- Center of Gravity
- Slings
- Sling Angles
- Slinging Techniques
- Rigger's Capacity Card
- Inspections
- Lubrication and servicing
- Shackles
- Eyebolts
- Hooks
- Identify Basic Hitches
- EXERCISE & Rigging Problems
- Crane operation & Safe lifting
- Crane Types
- MAIN CAUSES OF MOBILE CRANE ACCIDENTS
- Planning Before Start-Up
- Crane Inspections
- Components of the Boom Assembly
- Drum Lagging and Flanges
- **Examinations**

5. Our Methodology:

- Make coaching and monitoring innovative and using modern
- Media training also using on the go training by using interactive means and focusing on
- The exercises, practical applications and real situations study.
- Live delivery method, instructor-led training.
- Experienced consultant, trainers, and professional.
- Qualified trainer with high-level experience

6. Attendance Reports:

- Send daily attendance reports to trainingdep
- Send full attendance report to training dep. by the end of thecourse
- Attend 100 % from the course days also providedaily
- Issue attendance certificate for participant who attend minimum 80% from the course duration

7. Pre/Post Reports:

- Pre- assessment before starting training.
- Post assessment after finish training
- Full report for the deferent between Pre-& Post assessment

8. Who Should Attend?

- All the personnel involved in Rigging and lifting operations
- Site Engineers, Safety Engineers
- Safety Supervisors