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## **RIGGING & BANKSMAN OVERVIEW**

### **OVERVIEW**

This course is designed to provide the participant with the technical and practical skills on the use and understanding of the principles of Rigging and Banksman functions.. The practices clarifies the critical area below-the-hook where many hoisting accidents occur. The program demonstrates proper rigging equipment use, communication( signals) and rigging safety. The Course brings all of the rigging concerns into focus for a practical, field proven method of ensuring safe productivity.

### **TARGET AUDIENCE**

Riggers; Crane or Hoist Operators; Safety Personnel; Supervisors; Person seeking Rigger & Banksman qualifications.

### **COURSE CONTENT**

The syllabus focuses on:

- Hazard Awareness & Accident Prevention
- Load Weight Determination
- Types of slings
- Sling configurations/Hitches
- Application of attachments/ Rigging Hardware
- Calculating sling stress (Load angle factor)
- Using Rigging charts
- Location of Load center of gravity
- Calculating sling stress for loads with Off-Set center of gravity
- Rigging Equipment Inspection
- Crane Hand signals and Communication

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- Live Simulations

### **COURSE MATERIALS**

- Applied Rigging Training Manual & Handbook
- **Practical Simulation Exercises(use of live hoist, chain blocks, slings, shackles)**
- Certificate from Techsafe Training & Consulting Limited

### **COMPLIANCE**

- Occupational Safety and Health Administration (OSHA 29 CFR 1910.184)
- American National Standards Association (ANSI B30.9,B30.5, B56.1)
- American Society for Mechanical Engineers (ASME B30.9)
- Trinidad & Tobago OSH Act 2004/2006 Part II, 6(1),(a)
- Lifting Operation and Lifting Equipment Regulation 1998
- American Petroleum Industry(AP1) -2D

### **DURATION**

Two days (16hrs)