



RIGGING & LIFTING EQUIPMENT INSPECTION AND OPERATION

AVAILABLE COURSES

- Safe Mobile Crane Operation Assessment Course.
- Safe Overhead Crane Operation Assessment Course.
- Safe Tower Crane Operation Assessment Course.
- Safe Forklift Operation Assessment Course.
- Safe Scissor Lift Operation Assessment Course.
- Safe Boom Lift Operation Assessment Course.
- Safe Earth moving Equipment Operation Assessment Course.
- Safe Rigging & Slings Assessment Course.
- Safe Scaffolders Assessment Course.
- Safe Confined Space Entry, Emergency and Rescue.
- Safe Cradle Operation Assessment Course.
- Basic First Aid – AHA.
- Fire Fighting Training.
- Risk Assessment Course.
- Emergency Response

INTRODUCTION:

To increase awareness amongst Lifting operation, Lifting Gears General, Lifting Machine Manual, Lifting Machine Power as to their duties & responsibilities in connection with Operation, Inspection and Maintenance. This course is suitable for supervisors, Technicians and managers with responsibility for lifting

COURSE REFERENCE:

RICI training course based on International Standards, LEEA Code of Practice, LOLER Regulation 4, 5, 6, 7, 8, 9, 10 & 11, BS7121, BSEN818, BSEN13414, BSEN12079, DNV2.7.1, BSEN13889, BSEN4278, BSEN13558. This course has been produced to BRITISH STANDARDS and Lifting Equipment Engineers Association (LEE – UK) ISO 4309 & ANSI B30. 3

COURSE CONTENT:

COURSE CONTENTS: (DAY FIRST)

- The Law
- Standards and Codes of Practice
- Materials
- Methods of Manufacture
- Stress and Strain in Lifting
- Destructive and Non-Destructive Testing
- Verification of Lifting Equipment
- Chains for Lifting Purposes
- Wire Rope Construction
- Revision Assignment
- Components
- Chain Slings
- Wire Rope Slings
- Shackles
- Eyebolts
- Textile Slings
- Mechanics - Simple Machines
- Feedback Session

COURSE DURATION:

03 days – Theory class, workshop, case study & quiz etc.

PARTICIPANTS:

This course is suitable for supervisors, Technicians and managers with responsibility for lifting operations.

PRE-REQUISITES:

Participants should be familiar with lifting equipment operation and inspection criteria. Participants should be familiar with course language (English) and basic of standards.

COURSE LANGUAGE:

- English

TRAINING VENUE (BY CLIENT):

- Venue & Classroom sitting arrangement.
- Projector
- White Board With marker pens

CERTIFICATE VALIDITY:

- Two (02) Years

COURSE CONTENTS: (DAY SECOND)

- The Law
- Stress and Strain in Lifting Equipment
- Heat Treatment
- Vectors and Forces
- Rating of Lifting Gear for General Purposes
- Verification of Lifting Gear
- Chain for Lifting Purposes
- Wire Rope
- Practical Assignment
- Components for Slings
- Eyebolts
- Shackles
- Chain Slings
- Wire Rope Slings
- Textile Slings
- Practical Assignment
- Plate Clamps
- Lifting Beams
- Lifting Crane Forks and C-Hook
- Feedback Session

COURSE CONTENTS:(DAY THIRD)

- The Law
- Standards and Codes of Practice
- Examination and Testing Procedures
- Accessories (1)
- Accessories (2)
- Travelling Trolleys
- Power Feed Systems
- Electrical Circuits in Power Hoists
- Limit Switches and Devices
- Overload Devices for Electrical Hoists
- Brakes (Sliding Rotor Principle)
- Disc Brakes (Disc Type)
- Electric Hoist Motors
- Pneumatic Hoists (1)
- Pneumatic Hoists (2)
- Hoist Construction
- Reeving and Rope Guides
- Chain Hoists
- Feedback Session
- The Law
- Overview of Work at Height regulations
- Standards and Codes of Practice
- Design
- Construction
- Testing