



DE112

Advanced Drilling Rig Inspection & Maintenance

Course Introduction:

In order to ensure optimum performance of your rig, reduce downtime and maintain safety of your personnel, planned maintenance and accurate inspections are essential.

This five-day course teaches the inspection and maintenance procedures required to ensure equipment integrity onland rigs, platform rigs and jack-up rigs. Participants learn to implement the relevant standards and understand industry requirements so that they can verify the condition of a rig's equipment and improve safety, thus reducing the number of accidents and protecting the asset.

Course Objectives:

Upon successful completion of this course, the delegates will be able to:

- ✓ Independently carry out a basic (visual) rig inspection
- ✓ Describe the main inspection criteria for major equipment
- ✓ Identify the major items that have an impact on the safety and operation of a rig
- ✓ Recognize the indicators of the overall condition of a drilling rig
- ✓ List the relevant standards (such as API) and their implications for drilling equipment
- ✓ Understand the basics of EX equipment installed in hazardous areas
- ✓ Evaluate basic maintenance and inspection procedures on the rig to identify compliance with good working practices and industry standards
- ✓ Understand the basics of well control equipment operation

Who Should Attend?

This course is intended for Drilling Supervisors, Drilling Engineers, Drilling Managers, HSE and Rig Managers, Maintenance Supervisors, Toolpushers, Drillers, Mechanics and Electricians.

Course Outline:

Day 1:

- Introduction and entry test
- Drawworks, rotary table, top drive, swivel
- Crown block, travelling block, derrick, winches

Day 2:

- Lifting and handling equipment
- Mud pumps
- Mud processing equipment

Day 3:

- Diesel engines, air compressors
- Eddy current brake
- Electrical safety in hazardous areas

Day 4:

- Ram BOPs part 1 and part 2
- Annular preventers, gate valves
- Choke and kill manifold including the mud gas separator

Day 5:

- General safety, pollution control, jacking systems and cranes
- BOP HPU
- Final exam
- Course RECAP

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work

- Discussion
- Presentation

Course Fees:

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

Course Timings:

Daily Course Timings:

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

