

H913 – Drilling Drive System

The goal of this course is to learn how to troubleshoot and maintain the ABB integrated drilling drives system. The tools and methods learned can be applied to the work in practice.

Learning objectives:

Upon completion of this course the participants will be able to explain the ABB drilling system project configuration and functions of different components. The participants will be able to trace alarms from the process panel down to drives and control components. System backup and recovery will also be discussed.

Contents:

- System functions of ABB drilling drives system
- Hardware operation
 - System structure
 - AC800M controller and drive connection
 - Process panel
- Fault-tracing and troubleshooting
 - Project I/O signal tracing
 - Perform DW/MP/TD start/stop
 - Communication failure
 - Create project backup
- Software
 - DriveWindow
 - Compact control builder
 - Panel builder

Methods:

Classroom lectures; Practical lessons on the training drilling simulator system and ACS800 demo units

Duration: 4 days

Student profile:

Marine engineers and electro-technical personnel at the operational and management level.

Prerequisites:

Drilling Drive System course from ABB or similar knowledge is advisable.

Venue:

- Singapore
- Houston, USA

Additional information:

Minimum 4, maximum 6 participants; On-site training on request.

