

H911 – ACS800LC Drilling Drive System

The goal of this course is to learn how to start-up, operate, maintain and troubleshoot ABB ACS800/ACS800LC integrated drilling drives system for jack-ups, semi-submersibles and drillships.

Learning objectives:

Upon completion of this course, the participants will be able to locate hardware components, to verify and replace ACS800/ACS800LC supply, inverter and cooling units. The participants will also be able to perform basic troubleshooting of ACS800M drilling drives control system. Project system backup/recovery and preventive maintenance are also discussed.

Main topics

- Construction of ACS800/ACS800LC
- System function of ABB drilling drives system
- Hardware operation
 - Removal and installation of DSU and INU
 - Filling of LCU and changing fans
 - Control panel operation
 - ACS800M controller and communication
- Fault-tracing and troubleshooting
 - Explain alarm and fault message
 - Trace alarm and fault message
- Software
 - DriveWindow
 - Compact control builder

This description is also for:

**H910K – ACS800
Drilling Drive System**

Methods:

Classroom lectures; Practical lessons on training ACS800/ACS800LC and drilling simulator system.

Duration: 5 days

Student profile:

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

Prerequisites:

Basic knowledge of electronics, AC drive, drilling process and experience is advisable.

Venue:

- Singapore
- Houston, USA

Additional information:

Minimum 6, maximum 8 participants; On-site training on request.

