

ABB Marine Academy course description

H891 - Master Advant OCS automation training for operators

Course goal

The goal of this course is to learn how to operate the Advant automation system and how to use the Advant operator stations, to understand the system and process alarms. The aim is to reduce decision time by using the marine automation process controls properly.

Learning objectives

Upon completion of this course the students will be able to:

- Understand all process alarms and events
- Use alarms as fault tracing
- Optimize equipment use in normal operation
- Understand and control the automation processes

Contents

- Advant IAMCS philosophy, products overview
- Systems layout and basic system configurations and setup
- Connection principles of the input and output signals with an automation system
- Operator stations and X-Terminals handling through Advant Command suite (mimic displays, trend charts, alarms and events)

Methods

Workshop held in classroom
Hands-on and exercises on Advant OCS workplaces
Fault tracing by identifying issues from abnormalities



Student profile

Marine engineers and electro-technical personnel at support and operational level

Prerequisites

None

Duration

3 days

Venue

Genoa

Additional information

Minimum 6, maximum 8 participants

H891 - Master Advant OCS automation training for operators

Course outline

Course outline

Day 1

- Introduction
- System overview
- Basic configuration concepts
- Exercises
- Questions and discussion

Day 2

- I/O signal tracing
- AdvaCommand suite
- Exercises
- Questions and discussion

Day 3

- Historical data and trend charts
- Shutdown/start-up procedures
- Backup and restore
- Questions and discussion
- Exam and diplomas