

# H923 – ABB Ability™ Marine Software - OCTOPUS Onboard Commissioning

This course prepares participants to properly mount the hardware related to OCTOPUS and make sure all the signals are valid and configured within the scope of a supply.

## Learning objectives:

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

- Explain the OCTOPUS system architecture and identify the functions of its components
- Create a new project and configure basic OCTOPUS modules
- Maximize the quality of input data for the system
- Accurately translate the system output into clear advices
- Connect and configure external devices to OCTOPUS
- Identify and connect correct signals to OCTOPUS
- Commission the system
- Give the on-site introduction of the system
- Provide first level of support

## Contents:

- Benefits of having OCTOPUS
- Data types, Creating and importing new projects
- Time traces, Alarms and warnings, Virtual points
- OCTOPUS user interface, Creating custom dashboards
- Measurements, Statistical operators, Real-time graphs
- Time traces, Alarms and warnings, Virtual points
- Data sharing based on weather forecast, Data logging
- Serial data connections, Network data connections
- Network sharing and firewalls, File based interfaces
- NMEA protocol, MODBUS protocol
- Sensor and Hardware mounting, Hardware FAT procedure
- Complete system commissioning

The participant of this course will possess extend user knowledge allowing him to give the introduction to the system while on site.

**Duration:** 2 days (16 hours)

## Student profile:

The training is targeted to service engineers, ETOs, technical superintendents and electrical engineers.

## Prerequisites and recommendations:

The students shall have a basic understanding of vessel operations and marine terminology. They will be familiar with at least NMEA and MODBUS protocols in both TCP/IP and serial versions. Participants can meet our prerequisites by attending one of our e-learning courses.

## Venue:

- Rotterdam, Netherlands
- Customer location

## Additional information:

When the complete classroom originates from one company, specific cases (based on the client operated vessels) will be presented and discussed. Please note that a notebook with OCTOPUS software is provided by the training facility. If you wish to use your notebook, please let us know before the course will take place. This course is considered to be obligatory for personnel who wishes to commission OCTOPUS systems.