H882 – Azipod® XO Technical Training

This course provides a deeper understanding of Azipod XO propulsion system, and how to operate, maintain and troubleshoot the system components.

Learning objectives:
Participants will be able to describe the functions of the different sub-systems of the Azipod propulsion system and how they interact. They will understand the importance of correct maintenance, be able to describe the monitoring possibilities and how to troubleshooting systems and perform adjustments on specific system components.

Contents:
- Safety procedures while working on the Azipod
- Terminology and evolution of Azipod propulsion
- ACS800 steering gear drive programming, adjustment and troubleshooting
- Electric steering gear
- Slip-ring unit technology and maintenance
- Power and data transmission system
- Electric steering gear
- Steering angle feedback assembly
- Review of safety aspects inside the Azipod unit

Methods:
Classroom lessons and discussions about Azipod XO systems; Lectures and demonstrations; Workshop exercises with demonstration equipment; Visits to machine factory and Azipod assembly factory.

Duration: 5 days

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

Prerequisites:
Marine Power Plant Basic for Technical Staff and Azipod® Space Safety course from ABB Marine Academy are advisable.

Venue: Helsinki, Finland

Additional information:
Minimum 6, maximum 8 participants;
On-site training is available on request.