

H894 – Marine 800xA and AC800M

Automation Training

System Diagnostic and Troubleshooting

The goal of this course is to learn how to perform regular maintenance and troubleshooting on the system and how the 800xA IAMCS (Integrated Alarm, Monitoring and Control System) is designed to fit marine applications and requirements.

Learning objectives:

After this course, students will be able to understand the philosophy of an up-to-date automation system, fully use all operator functionalities in order to maximize productivity, troubleshoot common issues reducing decision time, perform engineering activities for run-time operations, and optimize the process.

Contents:

- 800xA IAMCS philosophy, products overview and life-cycle.
- IT architectures on ferry and cruise applications
 - TCP/IP
 - Routers, switches, firewalls
 - Relationship between networks onboard
- Microsoft-based IT devices
 - Clients and servers
 - MS Windows 7/'10, MS Windows '08/'10
 - Industrial IT with OPC protocol
 - 800xA configuration and startup
- AC800M programming
 - Base concepts of CPU w/ program languages

Methods:

Workshop held in classroom;
Building of a demo application starting from a void system; Fault tracing by identifying issues from abnormalities.

Duration: 5 days

Student profile:

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

Prerequisites:

Students should know the fundamentals of working with automation control system. Marine 800xA automation training for operators – Operation and diagnostic is advisable.

Venue:

- Genoa, Italy
- Rotterdam, Netherlands
- Singapore

Additional information:

Minimum 6, maximum 8 participants.

