H831 – Marine Cyber Security Awareness - Advanced Level

The course has been designed to provide participants with advanced knowledge of Cyber Security and IT threats in Marine application, in accordance with IEC 62443.

In this course the awareness step must be completed by an exhaustive course about strategies and solutions to fully understand cryptography and IT devices involved, in order to harden and increase safety for IT based systems.

Learning objectives:
Upon completion of this course, participants will be trained on advanced knowledge about technology mitigations for Cyber Security, focusing on basics of cryptography showing how it is used, in order to secure communications and how communication protocols are fundamental to secure the exchange of information.

Contents:
• Advanced Networking
• Cryptography
• Reactions to threats
• Marine Protocols

Methods:
Interactive Classroom lectures and workshops.

Level: Advanced (Management Level)
Duration: 2,5 days

Student profile:
IT software engineers, service engineers, vessel engine operators, vessel deck operators, superintendents.

Prerequisites:
Prior to enroll, H830 is highly suggested.

Venue: Genoa, Italy

Additional information:
Minimum 6, maximum 8 participants.