M406
Automation System Operation and Maintenance

Course Description:
Introduction to benefits and functions of the Power (PMS) and Vessel Management Systems (VMS).

Learning Outcomes:
Software screen representations, system hardware and network structure, and an understanding of the system operation onboard the vessel. Attendees will also participate in hands-on simulation exercises encompassing power system faults and failures, shipboard controls, alarms and equipment monitoring.

Prerequisites:
Basic understanding of electrical systems, networking standards (ex. TCP/IP), NMEA sensor standards 0183 (Serial) and 2000 (Ethernet), Power Management Theory, switchboard logic

Participants:
Technicians, Vessel Assistant and Chief Engineers, Port Engineers, Maintenance Supervisors and Engine Cadets

Duration:
4 days