



# VESSEL AUTOMATION SYSTEM OPERATION AND MAINTENANCE - M104

## Course Description

This course covers the Vessel Automation (IAS/VCS) systems in place on offshore vessels, focussing on both the operational aspects and on hardware, diagnostics and fault-finding procedures, to suit the needs of operational, engineering, technical and maintenance staff.

## Learning Outcomes

To understand the hardware, software and operation of the Vessel Automation control systems for a specified vessel; to familiarise automation operators with all the functions of the system, as relevant to the student, including the comprehensive diagnostic and fault-finding facilities; to aid staff in fault diagnosis, operation and general maintenance of the system.

The primary aim of all courses is to improve the safety and reliability of vessel operations, through the increased knowledge and competence of key personnel.

## Prerequisites

Basic understanding of electrical systems and

communications standards, power management theory, switchboard logic. Familiarity with vessel operating procedures and electrical safety considerations.

## Participants

All personnel who operate, maintain and troubleshoot GE Vernova Vessel Automation systems equipment; typically Technicians, Electro-Technical Officers (ETOs), Vessel Assistant and Chief Engineers, Port Engineers, Technical Superintendents, Maintenance Supervisors and Engine Cadets.

**Duration:** 3-4 days depending on system complexity

## Application:

GE Vernova Vessel Automation systems for all release 8 (G-Series) systems upwards, to include power management (PMS), vessel management (VMS), ballast and cargo control systems etc. as relevant.

**Location:** Korea – Busan, UK – Rugby, Brazil – Macaé

