



# MARINE AUTOMATION

**Ocean Automation Solutions** maintain, repair, calibrate and certify control & instrumentation systems and equipment on maritime vessels, LNG vessels, FPSO's / FSO's, drilling/production rigs and land-based industrial plants and machinery.

*Systems that we typically work on include:-*

Boiler Control Systems / Automatic Combustion Control Systems  
Main Engine Pneumatic Control Systems (WABCO / NABCO)  
Inert Gas Systems and Inert Gas Generators  
Incinerator Control Systems  
Engine Room Alarm Monitoring Systems  
Fuel Oil Viscosity Control, Viscotherm and Viscosense Systems  
Shaft RPM, Power & Torque Measuring Systems  
15ppm Bilge Alarm Monitors & Oily Water Separators (OWS)  
Control Valves & Valve Positioners  
Temperature and Pressure Control Loops  
Engine Oil Mist Detection Systems (Graviner, Schaller, Daihatsu, etc)  
Vibration & Displacement Monitoring Systems  
Bow Thruster Controls and Steering Gear Systems  
A/E's / Generator controls, Parallel Operation, Load Sharing and Synchronisation  
Pump Room Automatic Unloading Systems (AUS)  
Oil Discharge Monitoring & Control Systems (ODME)  
Fixed Gas Detection Systems and Portable Gas Detectors  
Mechanical Float Type Level Gauging Systems (Whessoe, Musasino, Nakakita, etc)  
Electro-Pneumatic Tank Level Gauging Systems (Nakakita, Auxitrol, etc)  
Water Ingress Detection Systems and De-Watering Systems  
Cargo Pump Bearing Temperature Monitoring Systems  
MMC Trimode & Tank Systems Hermetic UTI Portable Tank Gauging Units  
Cargo Tank Level Gauges, Ballast Tank Level Gauges, Draft Gauges  
Cargo Tank Pressure Monitoring Systems  
Intercoms / Public Address Systems / Telephone Systems  
Air Circuit Breakers and Electrical Control Equipment / Switchgear

