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/Es’ / 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

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