



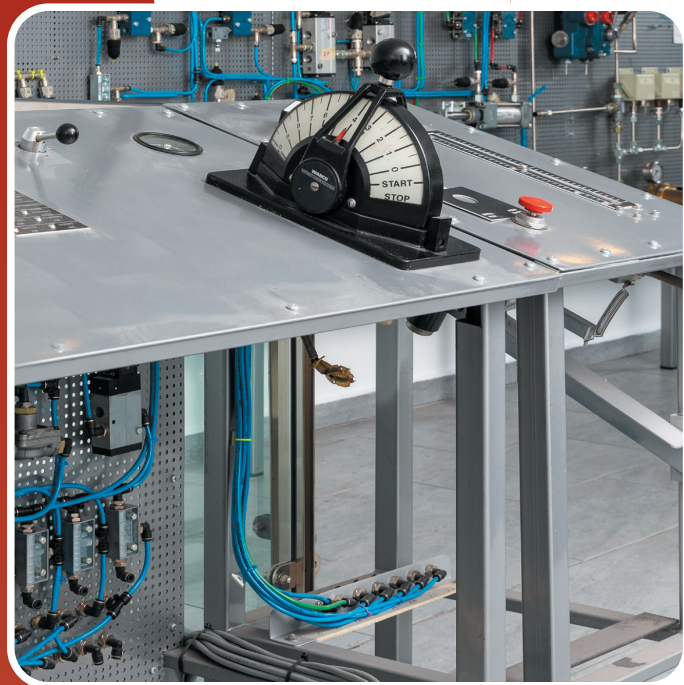
SERVICES & SOLUTIONS

AUTOMATION IS OUR BUSINESS

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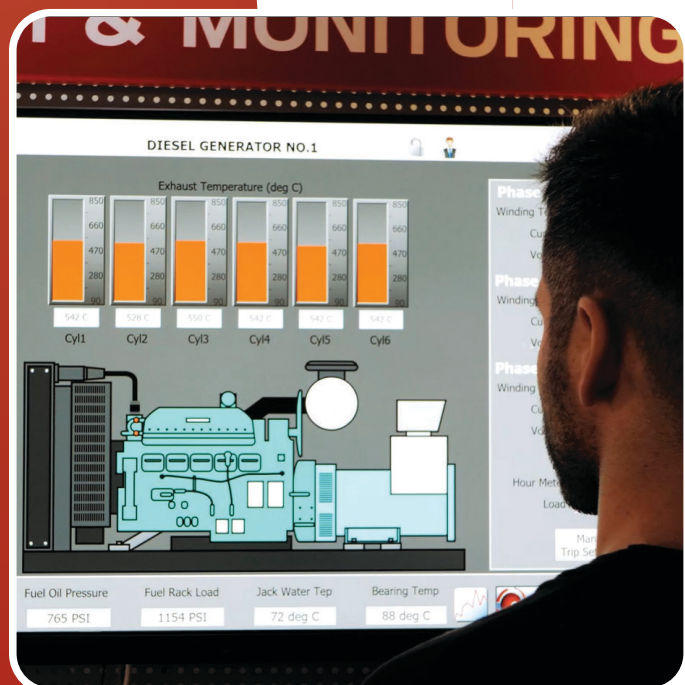
PNEUMATIC

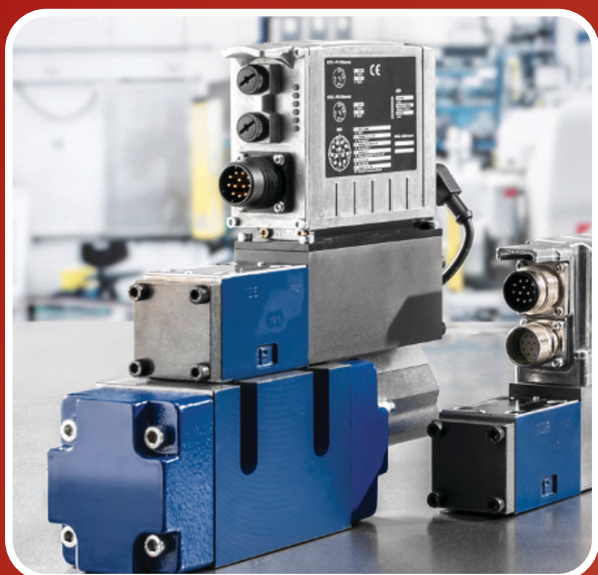
- ✓ Maneuvering System
- ✓ Insert Gas System
- ✓ Incinerator System
- ✓ Boiler System
- ✓ Cargo Tank Level Gauges System
Instrumentation of Cargo
- ✓ Control System (CCR)
- ✓ Automatic Unloading
System (AUS)
- ✓ Ballast Tanks Gas
Detection System
- ✓ Ballast & Draft Level
Gauge System



ELECTRICAL & AUTOMATION

- ✓ Fire Alarm System
- ✓ Boiler Automation
- ✓ Alarm & Monitoring System
- ✓ Vapour Alarm System
- ✓ Oxygen Analyzer System
- ✓ Oil Mist Detector System
- ✓ ODME System
- ✓ MSB & Machinery Thermography
- ✓ Diesel Gens Safety & Alarm System
- ✓ Main Engine Safety & Alarm System
- ✓ Bridge Watch Automation System
- ✓ Bilge Separator 15 ppm system
- ✓ Ballast & Draft Gauging System
- ✓ COT Level Gauging System
- ✓ Power Management System
- ✓ Ship Performance Monitoring
System





HYDRAULICS

- ✓ Fiva Valves
- ✓ Cranes
- ✓ Main Engine
- ✓ Steering Gear
- ✓ Deck Machinery
- ✓ Framo Hydraulic System
- ✓ Alpha Lubricator System

2-STROKE MARINE DIESEL ENGINES

- ✓ Condition checks (Bearings, Cylinder condition, performance on trials or remote, ECS, hydraulics, cabling).
- ✓ Standard maintenance of equipment (Alpha, Tacho, Accumulators all types, FO Pressure Boosters, Exhaust Actuators, FIVAs, ELFI, rest of fuel equipment, etc).
- ✓ Cylinder liners, pistons, piston rings condition evaluation Scavenge (Port inspection).
- ✓ Crankcase inspection, including all bearings clearances, guide rails and piston rods.



MANUFACTURING



- ✓ Temperature Sensors
- ✓ Level Switch
- ✓ Electropneumatic Controller

VIBRATION THERMOGRAPHY

Our vibration thermography inspections are typically applied to:



- ✓ Electrical switchboards and power distribution systems
- ✓ Electric motors and generators
- ✓ Pumps, compressors, and fans
- ✓ Gearboxes and rotating machinery
- ✓ Bearings, shafts, and couplings
- ✓ Auxiliary mechanical equipment

MARINE AUTOMATION TECHNICAL SERVICES PACKAGE

End-to-End Marine Automation Support & Lifecycle Services



- 24/7 Remote Troubleshooting & Technical Support
- Worldwide Onboard Service Attendance
- Experienced & Certified Service Engineers
- Automation System Commissioning & Start-Up Services
- PLC, SCADA & HMI Configuration and Optimization
- Simulation & Sea Trial Testing Support
- Pre-Docking Inspection & Technical Assessment
- Preventive Maintenance Programs
- Condition Monitoring & Predictive Diagnostics
- Emergency Breakdown Response Services
- Electrical & Instrumentation Calibration Services
- Alarm Monitoring & System Health Checks
- Integrated Automation System (IAS) Support
- Navigation & Communication System Assistance
- Retrofit & Upgrade Solutions for Legacy Systems
- Cybersecurity Readiness for Marine Automation Networks
- Spare Parts Availability & Logistics Support
- Warranty & Post-Warranty Technical Support
- Technical Documentation & Reporting
- Crew Technical Training & Familiarization
- FAT / SAT Coordination & Support
- Energy Efficiency & System Performance Optimization
- Sensor Installation, Testing & Validation
- Remote Monitoring & Data Analytics Services
- Multi-Vendor Automation System Support
- Dry Dock Technical Supervision
- Custom Engineering & Marine Integration Solutions
- Compliance Support with Marine Classification Societies
- Annual Service Agreements & Tailor-Made Maintenance Contracts
- Dedicated Key Account & Technical Service Management

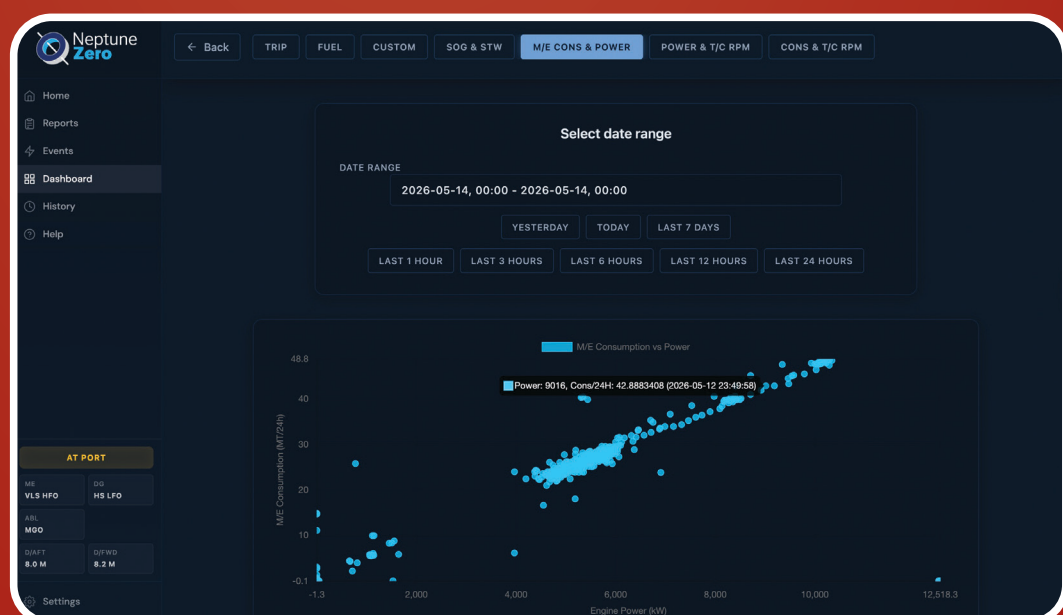
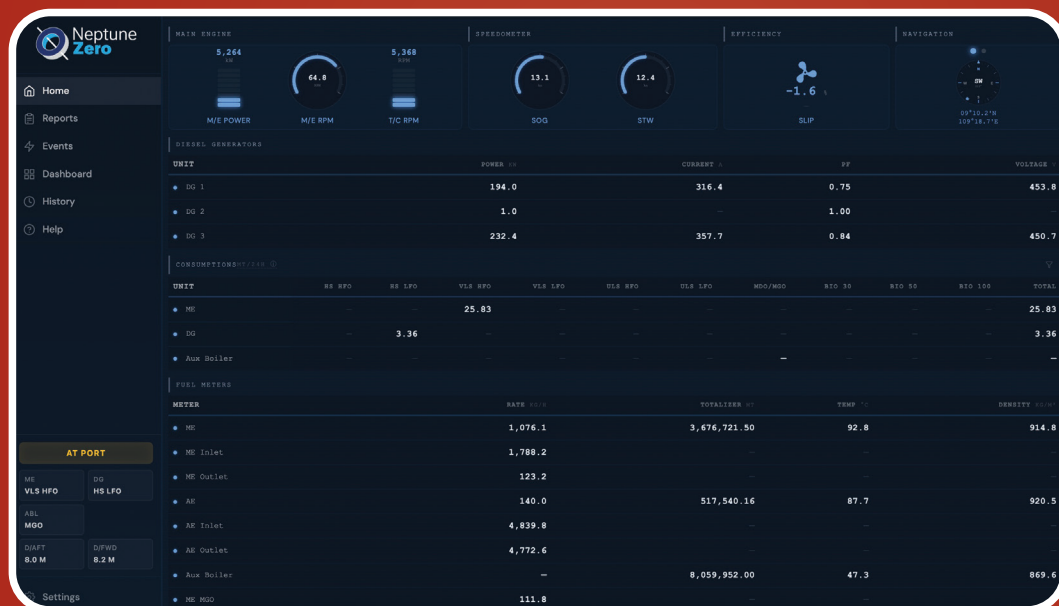


AUTOMATED SENSOR DRIVEN NOON REPORT

Experience the accuracy of the first commercially available, automated noon reporting system driven by real-time sensor data.

We free your crew from tedious paperwork & manual errors, providing detailed insights that save valuable time. For your office, we eliminate the heavy burden of correcting reports to meet strict environmental regulations.

Our end-to-end solution, powered by onboard processing, AI analysis & solid data checks, ensures total confidence and lets your team focus on their daily duties & vessel's operation.



INDUSTRIAL NETWORKING & IOT

Our expertise ensures secure, high-performance communication systems for seamless operations.

From industrial Ethernet and wireless networking to IoT integration and real-time monitoring, we deliver scalable, secure, and future-ready solutions that optimize efficiency, improve reliability, and drive digital transformation.

- Marine Automation & Vessel Connectivity
- Shipboard Network Infrastructure
- Remote Vessel Monitoring & Diagnostics
- Engine, Machinery and Sensor Data Collection
- Energy Monitoring & Power Management
- Substation and Grid Communication
- Renewable Energy Connectivity
- Industrial & Marine Cybersecurity
- Wireless Connectivity in Harsh Environments
- Industrial Edge Computing
- Port, Terminal and Offshore Applications
- Integration of Legacy and Modern Systems
- Temperature Calibrators



TRAINING CENTER

- Pneumatics • Hydraulics
- Automation • Electrical



- ✓ Practical Marine Engineering Focus
- ✓ Experienced Technical Instructors
- ✓ Training Based on Real Equipment & Systems



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