NAG Marine
Shipboard Fluids Automation and Rugged Computer Products

Reliable Shipboard Automation Systems

Modern vessels rely on interconnected shipboard automation networks to manage critical hull, mechanical, and electrical (HM&E) systems. These networks integrate specialized fluids automation products—electronic valves and actuators, smart pumps, and fluid monitoring sensors—with high-performance rugged computers that serve as the central control stations, data aggregators, and Human-Machine Interfaces (HMIs).

Current shipboard systems suffer from premature equipment degradation, data latency, and unscheduled maintenance downtime due to the extreme operating environments and disparate hardware architectures of legacy rugged computers and fluid control systems.

BENEFITS

- Components with long lifecycle support, designed to mitigate obsolescence concerns
- Ruggedized products with high reliability and availability, purpose-built and ideal for shipboard and military environments
- Military-Standard qualifications for shock, vibration, electromagnetic interference (EMI), wide-temperature, and others
- Trusted, proven, and reliable products actively deployed across the US Navy, US Coast Guard, Military Sealift Command, and commercial maritime fleets
- 27 years of experience selecting the appropriate products for applications ranging from machinery control and damage control, to combat systems and aircraft launch and recovery
- US-based manufacturing (product specific)

TECHNOLOGY SOLUTIONS

Rugged Electronics:

- Embedded Computers & Rugged Rackmount Servers
- Computer & Display Human-Machine Interfaces (HMI)
- Portable Rugged Compute Devices

Fluids Automation Hardware:

- Tank Level Indicators (TLI)
- Pressure Transmitters
- Electric Value Actuators and Valve Packages
- Oil Quality Sensors

GRAPHIC

