

WE ARE SOLUTIONS



FuelProof™



W&O iSHIP

W&O iShip provides real-time, integrated automation and data management solutions to optimize vessel and fleet operations.

- **FUELPROOF™**
 - CUSTODY
 - FUEL
 - WATER
 - DRILLING MUD
 - ENGINE
 - EMISSIONS
- **REPORT MANAGER**
- **KPI MANAGER**
- **VESSEL TRACK**
 - ECA PERFORMANCE MANAGEMENT
 - PERFORMANCE VALIDATION



INTEGRATED SOLUTIONS MARINE APPLICATIONS



FuelProof™

FUEL MANAGEMENT SYSTEM

The Challenge

Improve the measurement, management and control of valuable fluids and cargos to and from a vessel.

The Solution

FuelProof—Bunker provides high accuracy flow measurement and real-time data management for greater information visibility and transparency.

Micro Motion

Micro Motion Coriolis meters provide unparalleled accuracy and reliability in mass flow applications as well as integrated temperature and density measurement.

OSIsoft

The OSIsoft PI System is the worldwide leader in real-time data management infrastructure. The PI System allows enables real-time data visibility and context based information distribution from widespread data and control platforms to anywhere in the corporation enterprise.

Measure. Manage. Control.

The suite of W&O iShip applications and system leverage real-time data management and measurement technologies to improve vessel operational efficiency, environmental stewardship, and regulatory compliance.

FuelProof Bunker Custody Transfer System provides the ultimate solution in the exchange of valuable fuel, water, and cargo to and from a vessel.

- Measure what you buy/ sell. Direct mass flow measurement eliminates calculations and corrections from volume to mass in \$/ton exchange applications.
- Flexible system allows users to select and certify the right meter for the application.
- The PI System real-time data infrastructure provides one version of the truth in a context based format to all users allowing wide-spread data visibility for a single ship or an entire fleet.
- The PI System's powerful interface and historian capabilities allow aggregation of data and system wide analysis capabilities that have never before been possible in the marine industry.
- Viscosity measurement enhances online quality control verification.
- Instant discrepancy notification and real-time monitoring of entire fleet operations allows operations and purchasing managers to optimize bunkering and other valuable transfer operations.

Integrated Solutions. Automation. Engineered Products. Services.

W&O Integrated Solutions group delivers integrated systems and services to meet the most demanding requirements in the marine industry.

Integrated Solutions: W&O is at the forefront of the challenges facing the marine industry. From integrated network solutions to real-time data management and fuel and emissions management solutions, W&O is a leading innovator in the marine industry.

Automation: W&O Automation provides valve automation and control packages focused exclusively on marine applications. W&O combines marine approved products, design and assembly to meet and exceed the demands of the marine environment and regulatory standards.

Engineered Products: W&O Engineered Products offer innovative solutions in mechanical piping systems, bulkhead penetration and fire protection and specialty valves. Engineered Products focus on benefits to the owners, operators and shipyards in total life cycle costs space and weight savings, safety, and improved operational efficiency.

Services: W&O is committed to providing quality service and support to the marine industry. From CAD libraries and estimating support to project management to commissioning and repair services, W&O provides dedicated technical and field service support.

W&O is dedicated to meeting the unique demands of the marine industry. The products, systems and services that we supply comply with class society, USCG, and Mil-Spec requirements as required by the application.



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