

# Emerson Certified Marine Services

Maximize your investment and reduce your costs



## Best-in-Class Certified Marine Services only from Emerson Process Management

With marine fuel costs accounting for 60-80% of vessel operating costs, customers rely on Emerson Certified Marine Services to contain fuel costs and optimize fuel usage. Emerson delivers world-class marine services and expertise for fuel management and fuel control applications.

The Emerson global team of dedicated and certified Marine Service Engineers are strategically located at key shipping ports and major shipyards. Working together with your Chief Engineers and Marine Superintendents, Emerson certified Marine Service Engineers ensure the optimal solution, to assist with obtaining Marine Approvals, share installation best practices, and provide seamless installation and start-up of Emerson instrumentation.



### Marine Project Centers

*In an increasingly complex marine industry, you can count on Emerson to provide consistent global coordination, project management, service scheduling and execution.*

*With Marine Project Centers strategically located in the key marine hubs of Singapore, the Netherlands, USA, and South Korea, you can depend on a team of dedicated Marine Project Engineers to provide you with a single point of contact.*

#### Marine Project Centers

- Singapore
- The Netherlands
- USA
- South Korea

#### Emerson Global Marine Services

- USA
- Western Europe & Scandinavia
- Singapore
- South Korea
- Japan
- China
- Middle East

#### World-class services for your demanding marine applications:

- Fuel measurement instrumentation
- Certified bunker measurement
- Engine fuel consumption
- Fuel viscosity control
- LPNG Measurement





## Emerson Certified Marine Services

Emerson offers a range of certified services to ensure your instrumentation is performing at its peak and to maximize your investment.



### Marine Survey

- Application fit, type and instrument sizing
- 3D drawings, required piping and system modifications
- Survey report
- Installation best practices



### Site Assessment

- Verification of correct installation
- Check wiring, mounting and orientation
- Power On
- Insures successful startup and commissioning



### Start Up

- MID Certification for custody transfer applications (Bunker)
- Verify Wiring, mounting and installation
- Configure instrument for optimal performance
- Perform Zero verification / calibration if required
- Full commissioning and Startup report



### Re-Certification

- Periodic Re-Certification of system
- Run Zero Verification / Smart Meter Verification
- Insure System Integrity

### Calibration & Repair

- Factory Certified Repair and Calibration
- Calibration to ISO 17025
- Global Locations

### Marine Training

- Certified Marine product training
- In person and on-line training

### Diagnostic, Troubleshooting and Support

- Certified Marine Service Specialists
- Located at key global marine ports
- Marine Safety Trained



Emerson's Micro Motion is known globally in over 85 countries for its quality and reliability. As part of the Emerson PlantWeb® digital plant architecture, Micro Motion enables increased plant availability, decreased costs and enhanced safety. With over 750,000 meters installed around the world, Micro Motion delivers application expertise, service and technical support not available elsewhere.



## Benefit from the wide range of Micro Motion solutions available

- Superior, out-of-the-box density accuracy
- Simple installation and reduced cost
- No straight-run piping or special supports required
- Multivariable outputs (mass flow, volumetric flow, density/concentration, temperature)
- Direct PLC interface with digital protocols (DeviceNet, Profibus, Modbus, HART)
- In-line meter verification of electronics and sensor – without the need for tools or down-time
- Exceptional measurement and operating performance in entrained gas conditions
- Solutions for high and extreme temperature applications
- Best-in-class compact and drainable Coriolis
- Exida Safety-certified Coriolis for SIL-2 and SIL-3 applications

[www.micromotion.com](http://www.micromotion.com)

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