



Creating & Managing the Intelligent Field of the Future

Remote Operations

Real-Time Collaboration

Subsea/Topside
Integration

Abnormal Situation
Prevention

World-Class Project
Execution

OTC 2010
May 3-6
Houston, Texas USA
Booth #5617


EMERSON
Process Management

What's New for Emerson at OTC 2010

Today's exploration & production projects can confront you with tough questions, especially when they're in remote and hard-to-access areas:

- Once new fields are found, how quickly can you get them producing?
- How can you reduce total installed cost and project schedules?
- How do you control operations and maintenance costs while maintaining throughput?
- What are the best methods for maximizing production in declining reservoirs?
- How do you get reliable support in hard to access regions?
- How do you know you're picking the right technology or the right partner?

At OTC 2010, you'll find answers to these questions in Booth 5617. No automation provider matches Emerson's ability to help you reach your goals, because no one touches more of your operation – from reservoir through transmission.

See for yourself how the right automation strategy can turn your project into the "Intelligent Field of the Future" – today, tomorrow, and for years to come.

INTEGRATED SOLUTIONS

Come join our industry experts as they show how Emerson combines technology and services to create solutions tailored to your needs.

Subsea and Reservoir Management

It's a constant balancing act: How do you manage your reservoirs for optimal flow, maximum recovery, and maximum life of the field? See how Emerson can give you valuable insight into reservoir performance, warn you of possible water breakthrough, and help you control and manage flow.

Wellhead Management

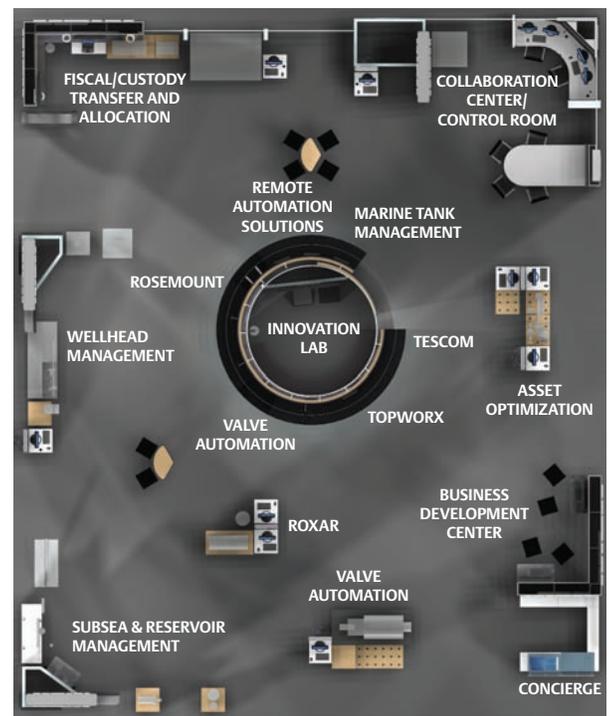
How do you deliver the optimal flow to process facilities without triggering a production upset or unplanned shutdown? Learn how Emerson helps you manage output from each wellhead by monitoring pressure, temperature, and flow.

Collaboration Center/Control Room

You've heard about "Intelligent Oil Fields" and the "Digital Fields of the Future," but what can these mean for your projects, especially with today's focus on reducing staffing and logistics costs for remote platforms? See how Emerson helps you ensure operators and others receive and take advantage of the real-time information they need to maintain optimal and unbroken production – whether in remote facilities or central collaborating centers.

Fiscal/Custody Transfer and Allocation

Getting accurate and timely fiscal data from offshore facilities demands solutions with the flexibility to meet a wide range of application, data-management, and economic requirements over the life of the field. Come see how Emerson delivers products, systems, and fully integrated services to ensure precise measurement over time, cost-effective systems, and system reliability while helping manage measurement uncertainty.



TECHNOLOGY DEMONSTRATIONS

See for yourself how Emerson's leading-edge technology and services address the challenges you face.

Asset Optimization

AMS Suite, CSI Technology, and PlantWeb Services

- AMS Suite: Intelligent Device Manager offers a universal window into intelligent field devices – including diagnostics, documentation, calibration management, and device configuration.
- AMS Suite: Asset Portal 4.0 powered by Meridium delivers real-time asset information from multiple locations to a single web dashboard.
- CSI 6500 Machinery Health Monitor delivers both protection and prediction for rotating assets.
- CSI 9420 Wireless Vibration Transmitter is the cost-effective solution for collecting vibration data in hard-to-reach locations.

Final Control

Regulator Technologies

- Tescom® 50-200 Series regulators utilizes a new thermoplastic seal design to extend product life in demanding hydraulic fluid applications.
- The Tescom Standard Configurable Panel provides increased accuracy with its closed loop control and electronic setpoint signal for unmanned or remote applications.

TopWorx

- TopWorx GO® Proximity Switches offer superior waterproof performance for submersed applications up to 20,000 feet.
- TopWorx Valvetop® DXS stainless steel valve controllers are ideal for offshore platforms, combining bus networking, pilot valve, and position sensors in an explosion-proof enclosure.
- TopWorx Valvetop DXR Valox® resin valve controllers are designed for corrosive environments and provide stainless steel fasteners, shaft, and conduit entries.
- TopWorx 4310 Wireless Position Monitor allows quick and easy monitoring of rotary and linear valves/actuators.

Valve Automation

Emerson's Valve Automation consolidates a vast array of subsea and topside valve automation products and services:

- Bettis scotch yoke subsea hydraulic actuator and Bettis scotch yoke pneumatic actuator for Safety Instrumented Systems (SIS).
- Dantorque helical subsea hydraulic actuator, offering exceptional reliability for ultra deep applications.
- Shafer rotary vane subsea hydraulic actuator and Shafer SH-Series gas-over-oil actuator for small pipeline valves.
- EIM TEC2000 intelligent electric actuator with non-intrusive controls.

Measurement

Daniel

- Whether ultrasonic, turbine, or differential pressure, Daniel flow meters are industry standard for oil and gas custody transfer and allocation metering from production to distribution. Daniel ultrasonic meters with predictive intelligence power PlantWeb.
- Your single-source provider of liquid and gas metering solutions including metering skids, the world's largest stationary and compact provers, quality systems, and DanPac control systems.
- Comprehensive life-cycle services reduce measurement uncertainty and maximize ROI of metering assets.

Micro Motion

- Micro Motion flow meters and Net Oil Computer in compact cyclonic/conventional separators deliver accurate, reliable, and representative production data for optimal well production and availability.
- Micro Motion ELITE High Capacity meters provide precise flow/density measurements to help reduce non-productive time and well control events during drilling.

- In-line meter verification reduces maintenance costs, improves safety, and provides added assurance of sustained measurement performance.
- The accurate, low-maintenance CMFS Modular Flow Meter helps reduce operations cost while improving chemical injection program safety.
- Precise, sustainable fiscal measurement with ELITE High Capacity meters and density/viscosity sensors.

Marine Tank Management

- Complete solutions are available for monitoring and controlling all tank-related functions on FPSOs, FSOs, supply vessels, rigs, and other offshore applications – plus worldwide support from initial design through long-term operation.

Remote Automation Solutions

- ROC and ControlWave RTUs: Controllers that provide the performance and flexibility needed for installation in rugged industrial and remote oil and gas applications.
- FloBoss 100 flow Computers: Field-mountable flow computers that offer audit trail and historical data for fiscal measurement in a compact rugged and low power device.
- FloBoss S600 Panel Mount Flow Computer: Fiscal measurement flow computer supporting liquid hydrocarbon measurement with meter proving and control.

Rosemount

- Rosemount pressure, temperature, level, and flow solutions help manage offshore assets through the power of real-time field intelligence.
- Wireless transmitters reduce installed cost and dramatically reduce footprint and weight of intelligent instrumented solutions offshore.
- Magnetic and vortex flowmeters provide reliable measurement in water injection, gas lift, and gas injection applications.
- Guided wave radar helps control separator level and interface to eliminate carryover and carryunder.

Roxar

- The Roxar subsea ROV retrieval system enables operators to retrieve individual subsea sensors/transmitters while the production process is fully operational.
- The high-flow, subsea chemical injection valve provides precise control and measurement of flow/dosage rates.
- Subsea wetgas meters measure real-time flow rates of water, gas, and condensate.
- The high -sensitivity subsea SenCorr CM sensor monitors rapid changes in corrosivity of process fluid.
- The 3rd generation Roxar Multiphase meter, the MPFM 2600, provides an accurate and real-time characterization of flow patterns.
- The Roxar Permanent Downhole Monitoring System provides real-time data from any well location in the world.
- The Roxar watercut meter is a full-bore, inline field-mounted instrument for accurate measurements of water in oil.

Systems and Solutions

Process Systems and Solutions

- DeltaV™ digital automation system integrates control and asset management in a single window so you have the information you need to hit first oil faster.
- Predictive diagnostics give you the tools to avoid unplanned shutdowns.
- I/O on Demand and electronic marshalling reduce design and installation costs.

METCO Services Limited

- Measurement services include on-site or remote consulting, engineering, and field support for your hydrocarbon flow measurement and allocation needs.



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Visit our booth #5617 each morning for free coffee, latte, or espresso, and...



...a chance to receive a Starbucks Card and enter a drawing for 1 of 3 iPads.

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