# Remote Automation Solutions Product Catalog

*Emerson is the leading supplier of cutting-edge technology for wellpads, pipelines and terminals. Our complete solutions drive greater profitability, operational efficiency and safety at production sites, pipelines, storage terminals and distribution systems worldwide.*

## Flow Computers and RTUs

**FB1100 and FB1200 Explosion-Proof Flow Computers**
The FB1100 and FB1200 models serve the explosion-proof environment with an ultra-compact design including integral sensor, battery and I/O options, providing high integrity fiscal metering with many different flow meter technologies.

**FB2100 and FB2200 Field-Mount Flow Computers**
The FB2100 and FB2200 models are packaged for CID2 and Ex nA Zone 2 hazardous area locations and provide additional I/O capacity and capability along with a packaged enclosure designed to minimize installation time.

**FloBoss™ 107 Flow Manager**
The modular FloBoss 107 Flow Manager provides solid performance for single or multi-run natural gas applications, delivering accurate AGA calculations, data archival, broad communications support, low power consumption, PID loop control and more.

**ROC800-Series Remote Operations Controller**
Able to accurately measure both liquid hydrocarbons and natural gas simultaneously, the versatile ROC800-Series Remote Operations Controller delivers superior measurement and control in a single flow computer/RTU platform.

**ControlWave® Micro - Hybrid RTU/PLC**
The ControlWave Micro - Hybrid RTU/PLC is a cost-effective, space-efficient, low-power consumption device required by small to mid-sized applications.

**FloBoss™ S600+ Flow Computer**
Designed to deliver maximum performance for fiscal and custody transfer applications, the high-end FloBoss S600+ Panel-Mount Flow Computer handles 10 gas or liquid meter runs with the power and flexibility to handle much more.

**DL8000 Preset Controller**
Based on the popular and high-performing ROC800-Series Remote Operations Controller, the DL8000 Preset Controller delivers accurate measurement and reliable control both locally or remotely via Ethernet or serial (Modbus) communications.

## Integrated Wireless Solutions

**Distributed RTU™ Network**
Designed for the ROC800-Series and FloBoss 107, the Distributed RTU Network is a distributed control solution for wireless integration of multiple field controllers.

**Wireless IEC 62591 RTU Interface**
The Wireless IEC 62591 RTU Interface seamlessly integrates with ROC800-Series, FloBoss and ControlWave devices to enhance operational performance and communication reliability.

## Configuration Software

**Field Tools**
Field Tools is a Windows®-based configuration software suite designed to perform remote terminal unit (RTU), flow computer and HART® device configuration and maintenance in the field.

## SCADA Systems

**OpenEnterprise™ SCADA System**
OpenEnterprise v3 is the latest release of Emerson's Supervisory Control and Data Acquisition (SCADA) solution, which targets the requirements of the global oil & gas production, transmission and distribution industries.

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# SmartProcess™ Oil & Gas Application Suite

## Production Manager Series

**Injection Controller**
An application for the FloBoss 107 and ROC800-Series that provides simple, configurable management of multiple injection streams.

**Surface Control Manager**
An application for performing simplified control, logic and mathematical functions via easy-to-configure menus that can also provide permanent and temporary shut-ins to facilitate management of associated well operations.

**Tank Manager**
An innovative application that uses accurate level and/or flow measurements to improve liquid production and hauling records.

**Well Optimization Manager**
An advanced user program designed to maximize production from oil and gas wells.

**Well Test Manager**
An application for the ROC800-Series RTU that determines gas and liquids allocation volumes for up to 64 wells.

## Transmission Manager Series

**Station Manager 4.0**
An application for the ControlWave Micro that can be distributed across six stations to perform natural gas flow measurement and station control for up to eight meter runs.

**Gas Control Manager**
An easy-to-use solution to manage control and logic requirements.

**Cause & Effect**
A menu-driven application for control logic configuration that provides flexibility and custom control capabilities to users with limited programming experience.

# Terminal Automation Software

**TerminalManager™**
A total order-to-cash solution that provides a complete overview of the terminal, enabling efficient monitoring of all activities from gantry management to operations.

# Midstream Management Software

## Operational Management Solutions

**PipelineStudio®**
The industry-leading solution for pipeline design, simulation and analysis.

**PipelineManager®**
The ultimate online simulation and modeling tool for pipeline operations and pipeline leak detection.

**RuptureSentinel™**
The industry's first simulation tool for identifying large, unplanned pipeline releases.

**PipelineDashboard®**
A real-time visualization tool that displays all key data in one window.

**PipelineTrainer™**
The industry's most precise real-world pipeline training simulator.

## Gas Management Solutions

**GasStream®**
Our fully-integrated midstream gas gathering, processing, transportation and transactional accounting system.

**PipelineTransporter®**
An industry-proven logistics and commercial management system for pipelines and local distribution companies (LDCs).

**TransactionManager®**
A powerful, off-the-shelf solution for pipelines operating in regulated or merchant markets worldwide.

**GasLoadForecaster®**
A neural network-driven gas-demand forecast system for predictive management and modeling.

## Liquids Management Solutions

**TerminalScheduler™**
Full-featured software for planning and scheduling of short and long-term operations within a tank farm or terminal.

**PiplineScheduler®**
An advanced system that consolidates critical data to simplify day-to-day management of batched and streamed operations.

**PipelineOptimizer®**
A powerful tool for simulation of liquid pipeline hydraulics and operations.

**Synthesis®**
A single order-to-cash application for pipelines, terminals and marine operations that provides direct, online access in real time to orders, tickets, bills of lading and more.

**TransportPlanner™**
Advanced software for planning and scheduling complex transportation networks (pipelines, marine, rail and road).

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