

# Expanding RTU Solutions

## Demonstrating Technology Leadership

As an Emerson Process Management division and the leading supplier of flow computers, RTUs, and presets, Remote Automation Solutions is the single-source provider for your SCADA field equipment and automation system needs. No one offers more solutions to the Oil and Gas industry.

### Outstanding Reliability, Accuracy, and Value

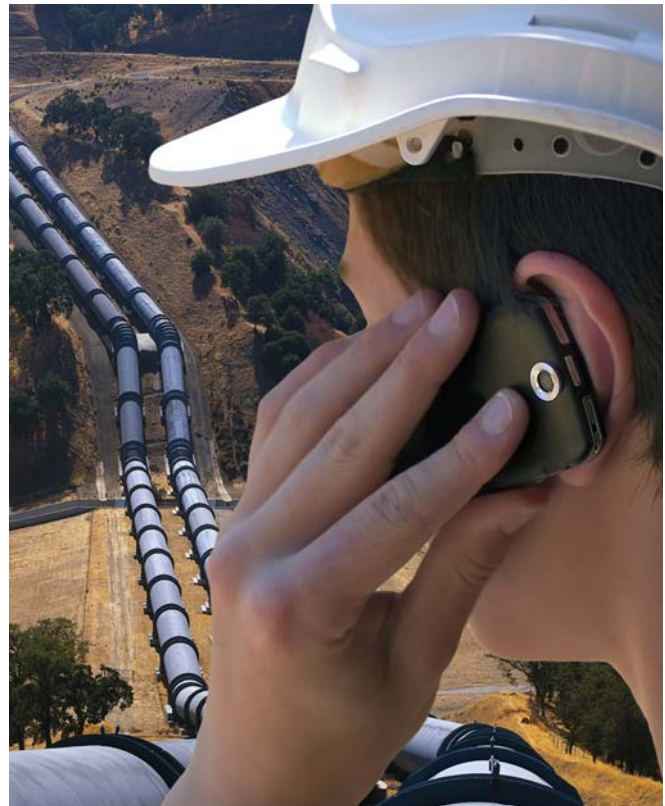
We are continually expanding and enhancing our industry-leading ControlWave® RTU and ROC800-Series Remote Operations Controller product families to bring you the highest level of performance and value.

ROC800 customers have embraced HART® digital field technology for several years and now ControlWave Micro brings you the benefits of HART device connectivity through its new 8-channel HART / BTI card. ControlWave, using the HART card, is the only low-power SCADA RTU available in the marketplace with the flexibility to select high accuracy AI, AO, HART, or BSAP protocol.

Expanding digital field technology even further are the new FOUNDATION™ Fieldbus Interfaces for ControlWave and ROC800. FOUNDATION fieldbus provides the same accuracy benefits as HART while expanding device network connectivity and speed. We are the first to feature a truly easy-to-use configuration tool to integrate FOUNDATION fieldbus into remote measurement applications.

Emerson is the industry leader in implementing FOUNDATION fieldbus technology in its award-winning PlantWeb® architecture. Now, remote SCADA applications can realize these benefits:

- Increased accuracy and data quality
- Reduced installation and commissioning cost
- Reduced rewiring and I / O card cost
- Capability for remote predictive maintenance and asset management



### Application Areas

- Station control and compressor automation
- Multiple well pad installations
- Pump Stations
- Liquid measurement skids

### Improve Operational Performance

#### ControlWave HART Interface

- Improves control with simultaneous analog and digital communication
- Meets API 1-second update requirement in HART point-to-point mode

**ControlWave and ROC FOUNDATION Fieldbus Interface**

- Implements plant-wide digital connectivity
- Enables proactive management of operational and maintenance decisions using Emerson AMS Suite
- Implements interoperability with field devices from many manufacturers
- Meets API 1-second update requirement

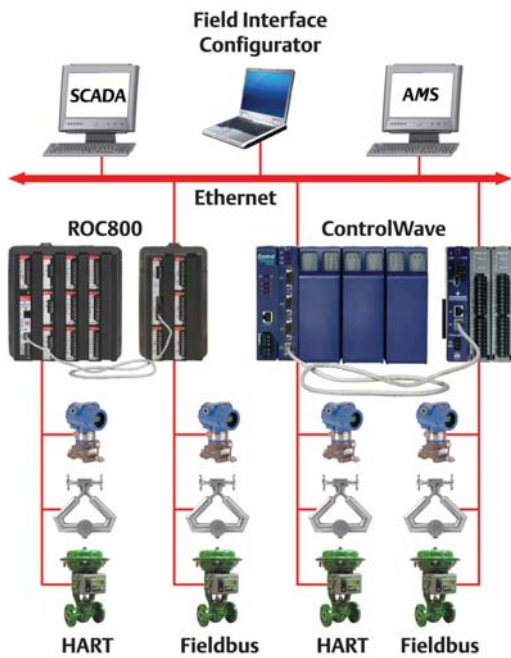
**Realize Cost Savings**

**ControlWave HART Interface**

- Reduces module count with eight independent channels selectable as HART, BTI, or 4 to 20mA inputs
- Lowers installed cost by using existing 4 to 20mA current loop wiring
- Interfaces with HART and 3508 / 3808 transmitters through a single module

**ControlWave and ROC FOUNDATION Fieldbus Interface**

- Reduces I / O card and field wiring cost
- Reduces commissioning time and cost with the Field Interface Configurator
- Reduces travel cost to remote sites for problem investigations with remote predictive diagnostics



*HART and FOUNDATION fieldbus digital technologies centralize all asset diagnostics and management to minimize maintenance travel and cost*



*The ROC800-Series and ControlWave Micro RTUs*



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