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

Remote Automation Solutions
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