



Designed to meet the specific needs of gas producers, New Intelligence (Ni) by Ferguson Beauregard is a family of integrated products intended to remove the hassle from production operations. From intelligent wellhead control and precise electronic flow meters to a full-featured SCADA host, Ni can enhance production and provide a quicker return on your investment.

## RTU5000™ with Auto-Cycle™

Ferguson Beauregard's Ni RTU5000™ is the most advanced wellhead remote terminal unit (RTU) for plunger-lift control available in today's market. The RTU5000 offers a unique approach to well production management, measurement and optimization. As a full function RTU it provides field-proven production optimization utilizing Ferguson Beauregard's patented Auto-Cycle™ plunger-lift control algorithm. Optimum well performance is achieved with automatic self-adjustment of flow and shut-in time for controlling the well's production cycles utilizing plunger velocity. Auto-Cycle™ control modes address various production applications for plunger-lift, intermittent gas lift and PECL™, the latest in artificial lift technology.

## Data Collection

The RTU5000's mix of I/O (Input/Output) make it the ideal wellhead RTU for gathering and integrating all production information including tank levels, pressures and temperatures, device statuses, and other 3rd party intelligent devices, including most electronic flow meters via a serial MODBUS connection. All analog inputs are sampled every second, averaged over a three minute period and stored for seven days in nonvolatile memory in the RTU5000. These trends are key for analysis of plunger-lift and production performance.

## Remote Connectivity/Telemetry

Its low power and rugged design make it ideal for the most remote locations and extreme climates. With the addition of a point to multi-point radio or cellular modem, operations staff can view and manage production from a



vehicle, field office, or remote location any where in the world using the AUTO-CYCLE Plus™ SCADA Client with a LAN/WAN or Internet connection. In addition, the latest firmware upgrades are downloadable via the telemetry network. The RTU5000 supports dual protocols, Ferguson Beauregard's optimized FB/Net2 and the industry standard MODBUS.

## DigXtend™ Wireless I/O

Ferguson Beauregard offers the latest in automation technology with its DigXtend family of wireless I/O adapters. By implementing DigXtend as part of your RTU5000 solution, the logistical complexity and costs associated with wired systems is minimized. DigXtend applications include wireless wellhead control, tank measurements, compressor monitoring, and more.



## Features

- Oil Field Rugged Design  
Installation options for a wide range of operating conditions, including an all-weather NEMA-4 enclosure. CSA approved for Class 1, Division 2.
- Multiple Control Modes
- Pre-programmed controls for plunger-lift, intermittent gas lift, PECL and more.
- Remote Firmware Upgrade Avoid time consuming trips to the site by downloading the latest upgrade via the radio network.
- LCD & Keypad Supports setup via optional keypad with real-time display of process data via the 4 line LCD.
- Dual Protocol Support for Ferguson Beauregard's optimized FB/Net2 and industry standard MODBUS.
- I/O 8 analog inputs, 12 discrete inputs, 8 discrete outputs, 2 pulse inputs, and 2 serial communication ports (expandable to 4).
- Wireless I/O Seamless integration with complete line of DigXtend wireless I/O adapters for the wellhead and production facility.
- Telemetry Options RS-232 and RS-485 support for radio, cellular and landline modem.

Contact us today to learn how Ni technology can help improve your production performance. Visit our web site—or email us at: [Automation@FergusonBeauregard.com](mailto:Automation@FergusonBeauregard.com)