

Telemetric

Secure, Two-way Communication for the Utility Industry

Telemetric is the leader in wireless communication and information solutions for the utility industry. Over 200 utilities in North America use Telemetric wireless M2M solutions to monitor and control their electric distribution grids – thereby improving system reliability, responding more rapidly to problems, and lowering operating costs. To communicate with the electric grids, Telemetric utilizes the Multi-Tech SocketModem® GPRS modem module.

The rapid growth of “smart controls” on electric distribution grids across the country has driven the need to communicate with the equipment – which is installed on “overhead” and “underground” power lines on the electric system. The Telemetric Remote Telemetry Module (RTM) has intelligence to communicate with nearly all electronic controls for electric distribution by using industry-standard protocols. The SocketModem GPRS module, embedded within the RTM, enables the secure, two-way digital communication.

To deliver the end-to-end solution, Telemetric is a nationwide alliance partner for Cingular Wireless LLC, offering turn-key GSM/GPRS packet-data solutions bundled with network services and applications to deliver the data directly to utility customers in a secure manner. With the SocketModem GPRS module on the Cingular GPRS network – the RTM communicates data using IP packets. Telemetric offers a suite of web-based applications and a SCADA interface that allow customers to communicate and control their field equipment from their desktop and SCADA systems.

“We chose the Multi-Tech SocketModem GPRS module based on strong references from others in the M2M industry,” explains Steve Isaacson, Vice President of Sales & Marketing at Telemetric.

“In addition, the module supports a native IP stack, as well as, a universal socket architecture allowing us to switch out the module for a CDMA model to provide communication over a CDMA/1xRTT network as well.”

One Telemetric RTM application is for communicating with electronic reclosers on electric utility distribution systems. Telemetric has several US utilities that use the RTM to get status information from these reclosers, (see picture) and they can operate the devices remotely. With the RTM, the utility control personnel are notified immediately when the recloser operates or there is a power outage. They can immediately pinpoint the problem, interrogate the recloser for status, and dispatch personnel to fix the problem as required. Some problems can even be fixed by control actions over the wireless network.

Using this solution, utilities increase their system reliability through better information and faster response to power disruptions. Remote data and control mean better information and less travel time to remote sites – saving time and money.

SocketModem GPRS

- GPRS Class 10
- Packet data up to 85.6K bps
- Universal Socket Connectivity
- Carrier approved

Telemetric Corporation

is the leading provider of cellular communication solutions for the electric utility industry. Over 200 utilities in North America use Telemetric wireless M2M solutions to monitor and control their electric distribution grids

— thereby improving system reliability, responding more rapidly to problems, and lowering operating costs. Telemetric provides

end-to-end solutions to these utility customers; including specialized communications hardware, cellular and back-haul network services, integrated applications and support.



For more information contact:

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