

OLEUMTECH USER ENABLES ECONOMICAL MULTI-POINT CATHODIC PROTECTION MONITORING

CHALLENGE

The manufacturer required a system with the ability to monitor multiple cathodic protection systems using wireless technology to extend the life span of the underground pipes.

SOLUTION

Wireless Analog Input Module – (WM-0900-003)

The Wireless Analog Input Module acts similar to the Analog Transmitter in this instance with the Analog Inputs being utilized to receive and read (4) Analog Input signals; rectifier output voltage, pipe-to-soil voltages and negative conductor currents. The collected data is then transmitted to the Wireless Gateway, Base Unit, where it is stores on the designated Modbus registers.

Base Unit Wireless Gateway – (WG-0900-DH1)

The Base Unit Wireless Gateway receives the voltage values from the Wireless Analog Input Module

BENEFITS/ADVANTAGES

- OleumTech provided an economical solution to the manufacturer wishing to monitor multiple systems in one wireless set up
- Extremely flexible and economical system utilizing only one OleumTech Wireless Gateway, a Wireless Analog Input Module, and third-party DC current sensors and voltage transducer
- Reduced risk of pipeline rupturing
- Extends the life of the underground pipes
- Flexibility of the OleumTech products is unmatched in the industry
- Ability to build products and innovate based on customers' needs
- Ensure the integrity of the below grade assets

RESULTS

The OleumTech® wireless solution satisfied the customers' number one goal of the ability to monitor multi-point cathodic protection systems. This low-cost, extremely flexible, portable, and easily deployed plug and play package has become a benchmark install and go to solution for installs like this one.

“The Wireless Analog Input Module gives me the capability to design a remote monitoring unit to fit my unique well pad design with amazing flexibility, and the Cathodic Protection Transmitter Kit gives me a plug and play option for pipeline applications,” said J.W., Corrosion Coordinator.



