MULTITECH

Enabling Remote Access Monitoring in the Oil and Gas Industry

Powered by MultiTech

The demand for oil and gas continues to increase. That demand comes at a time when the energy industry has experienced a sustained downturn in the price that it can get for its ongoing production. Increased demand and a soft price for both oil and gas are exacerbated by escalating costs to produce petroleum products and labor shortages experienced by the oil and gas industry.
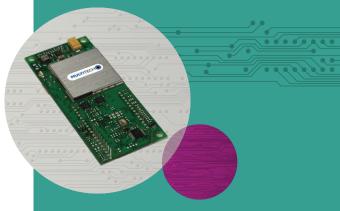
Implementing a remote asset monitoring solution can be challenging, but for companies in the oil and gas sector, monitoring systems are an essential part of day-to-day business. An effective solution for monitoring remote assets ensures that all systems can be constantly reviewed, updated for efficiency, and continuously tracked for performance. There is no room for downtime and the monitoring solution must be foolproof.

In the past, systems were monitored manually through an operator who was required to drive out to the site to collect data and adjust operational parameters. Problems exist in this scenario, however, as it is costly, time consuming, prone to human error, and still does not allow data to be easily transferred to a centralized database.

Frequently, companies do not have the resources or the expertise to develop an alternative solution. Alta Industrial Automation Ltd. (AIA) works with organizations to do just that. Simply put, AIA's products connect an organization's assets to the Internet. AIA's solutions can be utilized to automate the data collection process without the operator having to be on site. Companies in the oil and gas industry, and the services companies that work with them, are turning to AIA and the benefits are significant.

Problem
Need to continuously monitor remote assets in Oil & Gas industry

Solution
SocketModem® Cell
Embedded Cellular Modem

Benefits
• Ready-to-integrate
• Carrier approved
• End/PTCRB certified

AIA's remote monitoring solution is easily deployed and allows various levels of user access so staff can perform their daily tasks based on timely and accurate data.

AIA's eSensordata™ interfaces with industry standard sensors to automatically collect data from remote assets. eSensordata provides a cellular communication link to the Internet, where it interacts with AIA's cloud based eTrackdata™ server. AIA's complete solution introduces an ideal scenario in automating field operations and processes. A critical component to AIA's solution is MultiTech's SocketModem® Cell, a ready-to-integrate embedded cellular modem that is carrier approved and end device certified.

The fact that MultiTech's modem was already a PTCRB certified solution with network certifications was a differentiator for AIA, as the time required to certify a product is typically too long for short product life cycles or for products requiring a fast time to market.

"Using the SocketModem allows us to make design changes as required without impacting the PTCRB certifications," said Kevin Blanchette, Director of Business Development at AIA. "The SocketModem gives us the opportunity to design products with shorter life cycles and lower annual production volumes, which ultimately opens up more opportunities for us to meet our customer requirements."

AIA is now well positioned with a solution to help service companies looking to provide remote monitoring to the oil and gas industry, as well as to companies in a diverse array of markets including agriculture and irrigation, building automation and mechanical room monitoring, infrastructure, energy, and environmental monitoring. Regardless of the industry, MultiTech's SocketModem form factor has become a design standard for AIA's new product development, allowing them to focus on the immediate needs of their clients. "We trust MultiTech's long term road map and migration plans. Knowing that MultiTech will continue with the effort to support the SocketModem allows us to focus on our immediate needs," added Blanchette.

MultiTech designs, develops, and manufactures communications equipment for the industrial Internet of Things – connecting physical assets to business processes to deliver enhanced value. Our commitment to quality and service excellence means you can count on MultiTech products and people to address your needs, while our history of innovation ensures you can stay ahead of the latest technology with a partner who will be there for the life of your solution. Visit www.multitech.com for more information.

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Alta Industrial Automation, Ltd.

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