

MRL Integrated Solutions Ltd.



Oil industry companies save measurable time and money, thanks to MRL and TELUS.

"We've partnered with TELUS from the very beginning and they have always provided us with the connectivity we need to make our solutions work. Together, we are able to provide oil industry clients with solutions that deliver real-time data, saving them time and money and helping to ensure their operations are compliant and have minimal impact on the environment."

— George Tulle, President, MRL Integrated Solutions Ltd.

Situation

- Companies in the oil industry must measure almost every aspect of their operations to ensure safety and meet environmental and operational requirements
- Collecting data from remote well sites required employees to travel long distances, frequently over very difficult terrain
- Critical data was often delayed by this process, preventing organizations from taking proactive steps to prevent emergency situations and from gaining operational efficiencies

Approach

- MRL has proprietary software architecture that can be customized to integrate with measuring devices used in the oil industry
- The company tailors every solution it creates specifically to the needs of the client
- MRL partners with the TELUS Internet of Things team to provide wireless connectivity for its solutions

Business benefits

- MRL clients have access to real-time information on any connected smartphone, tablet or computer, providing information about measurable aspects of their operations such as throughput, pressure, temperature and more
- TELUS high speed wireless coverage ensures that even the most remote sites can be connected, with data flowing quickly and securely
- Employees no longer have to travel long distances to physically check well-sites and obtain the data they need, increasing the safety of workers, saving costs and improving the company's impact on the environment
- Clients can build in alerts to notify them if any emergency situations arise, allowing for faster resolution

Solution details

Companies that operate oil and gas wells in Alberta's oil industry must constantly measure and analyze their operations, including taking temperature and pressure

readings, measuring volume throughput, closely monitoring anomalies and more. They rely on this data to ensure that every oil or gas well is operating efficiently, profitably, safely and with minimal impact on the environment.

However, getting the data to the experts who interpret, analyze and leverage it involves considerable effort. Workers have to travel to sites that can be remote and over roads that can be difficult to traverse, especially in the winter. It takes time, is costly, inefficient, and has a considerable impact on the environment as large vehicles or even helicopters are often required. It also exposes workers to risk.

Incorporated in 2003, MRL Integrated Solutions has proprietary architecture that allows its tailored solutions to collect and transmit data from any measuring device an oil or gas company may use. As President of MRL George Tulle explains, a client will say "I've got this type of instrument, these are the readings it takes, and this is what we need to do with them." MRL specializes in ensuring that these measurements get where they need to be, in real-time.

"I started moving well data by fax," says Tulle. "But as tools like the Internet have evolved, and TELUS has made incredible investments in technology and their network, we've been able to develop and deliver to our clients a level of service that gives them access to their data in real-time, instead of the hours or days it used to take." This access to data is important to all clients, but it is absolutely vital to companies involved in well completions. "They have to watch their operations like hawks to make sure there's nothing out of the norm," says Tulle.

MRL tailors its solution to each client's needs, integrating it with their existing measuring devices and then providing them with access to their data on connected computers, smartphones or tablets. "Our interface collects the data, and our on-site modems send it to the TELUS network," explains Tulle. "Then our clients can log in no matter where they are to access the information. They can see their data instantly and react to it just as quickly if they need to."

For most clients, this immediacy is the biggest advantage. Cost-savings are a close second. "People are expensive," says Tulle. "It takes hours to get to some of our clients' sites and finding skilled people is a challenge."

Another major benefit is environmental. "You're not having to tear up and down these often rough roads. This means there are less vehicles out there and less equipment to get back and forth because all the information is being carried wirelessly by TELUS."

MRL has partnered with TELUS from the start, and Tulle is enthusiastic about the benefits his company enjoys. "Firstly, there's the geographic coverage. For some of our clients in very remote areas, we offer a satellite backup, but this is hardly ever needed as TELUS covers most of the country. Secondly, the volume of data we can transmit cost-effectively makes it possible for us to keep our prices down for our clients. Finally, there's the sheer volume of machine-to-machine or Internet of Things connections we can manage, thanks to our partnership. The connectivity is really reliable, allowing us to activate and deactivate modems and manage our solutions in real time."

Learn more about TELUS solutions for your business at telus.com/businesssolutions