



Solution Brief

Collect and Analyze Production Data with Remote Connectivity Solutions

Production oilfields – and the Oil and Gas industry in general – are going through a variety of changes in their quest to maximize operational efficiencies, minimize environmental impact, and therefore increase their value and profitability. To be effective in this transformation, their measurement and production data needs to be collected and analyzed.

With remote access solutions, your measurement and production data can be automatically sent to your existing SCADA, host, or headquarters location. From there, the data can be analyzed and corrective actions taken if necessary. The detailed data and activity log that's automatically generated can also help you meet regulatory requirements.

With remote connectivity solutions – including cellular gateways on-site and a Web-based management platform you can access from headquarters or anywhere else – you can ensure production data is available at any time, and stored securely and properly.

The Security Factor

Protecting your production data and equipment is paramount. Controlling access to your information and devices is a must when using **remote connectivity** to link your LACT application, wellpads, and other functions to a central SCADA system or HQ.

In **Belden Horizon™**, one-time-use tunnels are created for each connection made between, for example, your PAC at headquarters or your control house and your separator or other equipment. The tunnels are protected with 256-bit AES encryption, and gateways are set up on-site using two-factor authentication. At its core, this cloud-native platform is designed to help you monitor and troubleshoot remote oilfield equipment from anywhere you have an Internet

connection. Always-on and managed communications are available to help you collect production data via the **Persistent Data Network**, accessed in Belden Horizon.

You can also use Virtual Lockout-Tagout capabilities to grant access to production equipment for a fixed time period, with an audit trail recording all actions.

Remote Connectivity Toolkit



PDN Persistent Data Network



Cellular Gateway



Network Bridge



Support and expertise for your projects

ProSoft provides a variety of resources and services for wireless applications from initial system design to site surveys to launch support and configuration support.

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