

Expro Excellence Remote Supervisory Control and Data Acquisition (SCADA) system

Well Flow Management



Objectives and background

- 24-hour remote control was required for land-based operations, covering 12 sites for process equipment operation as part of a production optimization initiative for an existing client

Expro Excellence

- **SCADA control**
A Programmable Logic Controller (PLC) was used for automated control of the process equipment and configured for supervisory control using EdgeX software both locally and remotely
- **Control and Monitoring Center**
Every location establishes a remote connection with the central hub, ensuring continuous monitoring. EdgeX's Alarm Management System (AMS) guarantees swift responses and intervention when needed by the control room team. If necessary, a rapid response team is dispatched to the site
- **Secure network**
A custom satellite network was utilized to ensure secure connectivity aligned with established cybersecurity standards

Value to the client

- Expro's capacity to offer the Bespoke solution propriety EdgeX software as a solution for remote supervisory control and data acquisition, along with advanced technologies, networking and with our expertise in high-value applications, enables us to customize solutions to meet specific project requirements
- Remote control reduced the requirement for site visits, thereby reducing vehicle emissions and minimizing the operations carbon footprint

Bespoke solution



Lower carbon footprint



Innovative solution

