

NOV's rigsite information system enables 99% uptime in Australian drilling operation

Innovation in action

A client operating in Australia needed to improve their decision making and more effectively store and access their data without sacrificing security or ease of use. NOV worked with the client, using the RigSense rigsite information system, to enable safe data storage and remote data access, to bridge the gap between rigsite and office, and to improve decision making through the creation of customized reports. The combination of the RigSense system with the assistance of NOV's technical experts enabled the client to increase uptime to an impressive 99.04%.

- Maintained data security and system intuitiveness
- Improved storage and management of drilling data
- Enhanced the connection between the rigsite and the office
- Facilitated increase in uptime to 99.04%

Technology

NOV's RigSense™ rigsite information system is an integrated system that incorporates NOV's leading sensor technologies with advanced computer and data acquisition capabilities. The RigSense system operates as a single, intuitive interface, allowing rig personnel to access historical information, make notes, and communicate with other displays onsite. Highly versatile, the RigSense system provides automatic report generation, remote data transfer, and wireless communication, bridging the gap between the rigsite and the office and enabling fast, accurate decision making.

Performance

Our RigSense system provided the client with electronic drilling recording, pit volume totalizing, and gas detection over an eight-well campaign. The RigSense system was combined with the WellData™ platform to enable safe data storage and remote data access, allowing the client to improve decision making through creating and modifying reports to their specifications. With the addition of the DrillWell™ reporting system, the client was able to create customized coding, reporting, and dashboards to achieve full visibility of rig operations.

Results

The RigSense system, packaged with the WellData platform and the DrillWell system, enabled the client to improve their decision making and more effectively store and manage their data. The combination of systems, combined with the assistance of NOV's technical experts, consistently delivered superior coverage and data services to the client over eight wells, allowing the client to operate with 99.04% uptime. Local support for rig damaged equipment was praised and contributed to the minimal downtime experienced in the field, further enhancing operational effectiveness.

