

eVolve Optimization Service: CONTROL

Automatically implement optimal drilling parameters and improve drilling performance with innovative hardware, software, and controls

Our eVolve™ Optimization Service delivers superior drilling performance through enhanced control of the rig and systems. **CONTROL** offers innovative, surface-based hardware and software packages that reduce drilling dysfunction and streamline drilling-program implementation. These applications seamlessly integrate with NOV's state-of-the-art control systems to improve your operation. Products in development will communicate downhole data via mud-pulse and electromagnetic signal to enhance the software and controls capabilities and further improve operational efficiency.

CONTROL offers the following:

- Automated stick-slip and torsional vibration prevention and mitigation
- Automatic drilling parameter and mechanical specific energy (MSE) optimization
- Premium data acquisition system

Our Real-Time Technology Center (RTTC) ensures optimum performance of these systems through remote monitoring and support for your rigsite and office teams.

These advanced controls and software deliver proven performance while reducing the likelihood of tool and equipment damage, reaching a new level of drilling performance and technology.

To learn how our eVolve Optimization Service can help you improve your drilling operations, contact your local NOV representative or visit us online at www.nov.com/eVolve.

Features and Benefits

Stick-slip and torsional vibration prevention and mitigation

- Reduces damage to BHA components and drillstring fatigue
- Improves borehole quality
- Increases available energy for drilling which improves performance

Automatic drilling parameter and MSE optimization

- Seeks best combination of weight-on-bit (WOB) and RPM parameters
- Reduces system MSE

Premium data acquisition system

- Improves drilling data quality with superior sensors and direct measurements