

eVolve Optimization Service: ADVISE

Achieve substantial performance improvements from post-well downhole data analysis and recommendations

Our eVolve™ Optimization Service delivers proven performance. **ADVISE** is an integrated drilling approach with an optimization foundation that enhances operations analyses by incorporating downhole data. **ADVISE** combines strong technical processes, robust analysis software, specialized downhole tools, and a dedicated project team whose objective is to reduce your overall drilling costs.

ADVISE provides a customizable drilling service suited to any operation. Our team of experienced NOV specialists will:

- Review and analyze existing well data
- Combine surface data with measurements obtained by our suite of BlackBox™ downhole dynamics acquisition tools
- Identify and address potential performance limiters
- Analyze rock properties and formation characteristics
- Highlight potential drilling risks and propose solutions to mitigate dysfunction
- Identify drilling parameters that lead to destructive vibration modes
- Evaluate torque and drag, MSE, buckling, and other dynamic behavior
- Provide formation and depth-based parameter roadmaps
- Recommend BHA design and components

On-site supervision as well as access to real-time remote monitoring through our Real-Time Technology Center (RTTC) will ensure optimum performance. Post-run data analysis and comparison to pre-established benchmarks create and maintain a culture of continuous improvement that will reduce well delivery costs.

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

Downhole data from BHA and drillstring locations

- Enables analysis of dynamic behavior of drilling activities
- Enables BHA design and component selection recommendations

Sophisticated software and planning tools

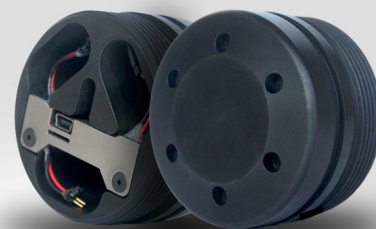
- Identifies harmful vibration modes
- Analyzes rock properties and formation characteristics

Driller's roadmap based on depth and formations

- Follows recommended parameters at every depth
- Empowers team with historically successful parameter combinations

Customized offering and optimization strategy

- Ensures solution is unique to your specific challenges



BlackBox Eclipse tool