



eVolve TIER 1

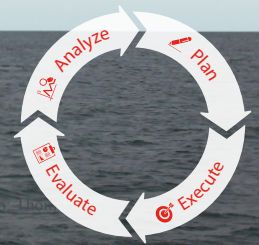
INFORM

ADVISE

CONTROL

AUTOMATE

# eVolve Optimization Service



## Reduce your drilling costs through superior performance

NOV's Dynamic Drilling Solutions (DDS) business unit offers advanced optimization and automation services to enhance drilling operations and increase cost-effectiveness throughout your drilling campaign. Our **eVolve™** Optimization Service equips your existing rigs, rig crews, and engineers with an advanced toolkit that delivers performance, allows improved real-time decision making, and provides analytics capability.

Our **eVolve** Optimization Service offers tiered, customizable solutions that can be combined for powerful results, which are enhanced by a team of drilling analysts at our Real-Time Technology Center (RTTC). We support your operations 24/7 with trend analyses, daily reporting, and prompt recommendations to ensure superior performance.

Continuous improvement is the foundation of our optimization process. We follow a four-phase approach to enhance your drilling performance throughout the project life cycle: **analyze, plan, execute, and evaluate**.

We begin by critically reviewing key performance indicators and drilling data to understand how to improve drilling system performance. We **analyze** data to identify risk and opportunity. We then build a strategy to deliver on your performance objectives. Using offset well benchmarks, we develop a drilling **plan**, assist in BHA design, and create drilling parameter roadmaps, all supported by our suite of performance optimization software. After mobilizing our tools and systems to your rig, we **execute** the plan, incorporating enhanced data acquisition tools. Through the 24/7 support of our RTTC, we continuously **evaluate** the drilling operation and make effective recommendations that drive performance.

To learn how our **eVolve** Optimization Service can improve your drilling operations, contact your local NOV representative or visit us online at [www.nov.com/eVolve](http://www.nov.com/eVolve).

### eVolve Optimization Tiered Solutions

**INFORM** provides enhanced monitoring and insight into your drilling operations through the power of surface data analytics. We offer best-in-class, integrated drilling measurements for accurate observation and analysis of your drilling operations.

**ADVISE** introduces full optimization analysis supplemented by downhole data. Our drilling evaluation uses the BlackBox™ series of data acquisition tools to deliver a post-well analysis derived from the combined surface and downhole memory-mode measurements.

**CONTROL** enables drilling automation with surface data-driven control applications, such as the SoftSpeed™ II stick-slip prevention service, to improve the execution phase of your drilling operations and further drive performance.

**AUTOMATE** provides enhanced drilling automation, further adding value through the introduction of our patented, closed-loop control. The system combines BlackStream™ downhole measurement tools, IntelliServ™ high-speed telemetry, and advanced drilling applications to improve drilling and to generate real-time analytics that support informed drilling decisions and reduced well delivery costs.