

# Oilfield Drilling Optimization Systems Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

## DIGITALIZATION ENABLES DRILLING OPTIMIZATION

In today's environment of increased well complexity, higher drilling costs, and tremendous growth in data, optimizing drilling in real time is an imperative. The drilling optimization process begins with data collected in real time at the rig site, then drilling parameters are monitored, the thresholds are verified, and operators get alerts regarding unexpected trend changes from surface or downhole parameters. This allows users to optimize drilling and prevent any potential problems.

Oil and gas operators are proactively getting involved in the digitalization process to enhance operational efficiency and minimize the cost of oilfield drilling and extraction. The implementation and execution of oilfield drilling optimization solutions and services helps knowing not only where (wellbore placement) and what (formation evaluation) you are drilling but also how you are drilling, which is mainly driven by the integration between the operator and the drilling service company.

ARC investigated the global market for oilfield drilling optimization systems for 10 major type of applications, including BHA design, torque & drag optimization, hydraulic calculation & modeling, drill string stress & deflection analysis, wellbore trajectory analysis, MWD/LWD, tripping/stuck pipe, drilling vibrations reduction, and directional drilling. The report also analyzes optimization system types such as real-time data acquisition, well trajectory planning, BHA optimization, underbalanced drilling, and managed pressure drilling.

ARC believes the oilfield drilling optimization systems market will grow at a robust pace as it improves operational efficiency and performance. With data being the new "oil" of the digital economy, real-time data acquisition is expected to have the largest investment opportunity in coming years in the drilling optimization market.

For more information, please visit us at [www.arcweb.com/market-studies/](http://www.arcweb.com/market-studies/).

## STRATEGIC ISSUES

This report provides strategic market information and guidance for the worldwide oilfield drilling optimization systems market. It addresses key questions relative to drilling optimization systems, such as:

- How large is the market potential?
- Who are the leading suppliers?
- Which regions have the largest markets?
- What are the strategic issues facing both suppliers and end users?
- Which applications will offer the greatest growth opportunities?
- Which system types will be the largest investment areas?

## RESEARCH FORMATS

This research is available as a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

## RESEARCH FOCUS AREAS

### STRATEGIC ANALYSIS

Major, Regional, and Application Trends  
Strategies for Success

### COMPETITIVE ANALYSIS

Market Shares of the Leading Suppliers  
Market Shares by Region

North America

Europe, Middle East, Africa

Asia

Latin America

Market Shares by Software and Services

Market Shares by Project Location

Offshore

Onshore

Subsea

Market Shares by System Type

Real-time Data Acquisition

Well Trajectory Planning

BHA Optimization

Underbalanced Drilling

Managed Pressure Drilling

Market Shares by Application

BHA Design

Torque and Drag Optimization

Hydraulic Calculation & Modeling

Drill String Stress & Deflection Analysis

Wellbore Trajectory Analysis

MWD/LWD

Tripping/Stuck Pipe

Drilling Vibrations Reduction

Directional Drilling

Market Shares by Sales Channel

Market Shares by Customer Type

### MARKET FORECASTS AND HISTORIES

Total Oilfield Drilling Optimization

Systems Business

Shipments by Region

Shipments by Software and Services

Shipments by Project Location

Shipments by System Type

Shipments by Application

Shipments by Sales Channel

Shipments by Customer Type

### INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.

Worldwide Oilfield Drilling Optimization Systems Market

