

Horizontal Directional Drilling Market Report by Technique (Conventional, Rotary Steerable System), Parts (Rigs, Pipes, Bits, Reamers), Application (On-shore, Off-shore), End User (Oil and Gas Excavation, Utility, Telecommunication), and Region 2024-2032

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Abstracts

The global horizontal directional drilling market size reached US\$ 9.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 14.5 Billion by 2032, exhibiting a growth rate (CAGR) of 4.7% during 2024-2032.

Horizontal directional drilling (HDD) refers to a trenchless drilling process that utilizes steerable motor assemblies for digging horizontal bores. It involves the use of rigs, bites, beamers and pipes to accurately drill along the chosen bore path and install underground pipelines, electrical semiconductors, service conduits and cables. HDD aids in increasing the contact between the reservoir and the wellbore and enhancing the overall efficiency, flexibility and cost-effectiveness. HDD can also be conducted with minimal requirements while causing negligible soil contamination or damage to the landscape. As a result, it finds extensive application across various industries, such as telecommunication, oil and gas, power and utilities.

Horizontal Directional Drilling Market Trends:

A significant increase in the onshore and offshore oil and gas exploration activities is one of the key factors driving the growth of the market. HDD is widely used for hydraulic fracturing to increase the production of oil and natural gas from thin oil zones.

Additionally, the widespread product adoption for surveying, designing and construction of underground cables for the installation of underground electrical telecommunication systems is favoring the market growth. Moreover, various technological advancements, such as the utilization of automated HDD systems, are providing a thrust to the market

growth. These solutions utilize computer software to plan and guide drilling tools with enhanced accuracy and minimal data-to-surface delays. In line with this, the increasing preference for HDD due to the rising environmental concerns among the masses is also contributing to the growth of the market. HDD causes minimal disturbance to the surrounding environment and maintains the condition of the drilled area. Other factors, including the implementation of various government initiatives promoting sustainable oil and gas exploration, along with the rising demand for energy, especially in developing economies, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global horizontal directional drilling market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on technique, parts, application and end user.

Breakup by Technique:

- Conventional
- Rotary Steerable System

Breakup by Parts:

- Rigs
- Pipes
- Bits
- Reamers

Breakup by Application:

- On-shore
- Off-shore

Breakup by End User:

- Oil and Gas Excavation
- Utility
- Telecommunication

Breakup by Region:

- North America

United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Baker Hughes Company, Barbro Inc., China Oilfield Services Limited (China National Offshore Oil Corporation), Ellingson Companies, Halliburton Company, Helmerich & Payne Inc., Herrenknecht AG, Nabors Industries Ltd., NOV Inc., Schlumberger Limited, The Toro Company, Vermeer Corporation and Weatherford International plc.

Key Questions Answered in This Report

1. What was the size of the global horizontal directional drilling market in 2023?
2. What is the expected growth rate of the global horizontal directional drilling market during 2024-2032?
3. What are the key factors driving the global horizontal directional drilling market?
4. What has been the impact of COVID-19 on the global horizontal directional drilling

market?

5. What is the breakup of the global horizontal directional drilling market based on the technique?

6. What is the breakup of the global horizontal directional drilling market based on the application?

7. What is the breakup of the global horizontal directional drilling market based on the end user?

8. What are the key regions in the global horizontal directional drilling market?

9. Who are the key players/companies in the global horizontal directional drilling market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL HORIZONTAL DIRECTIONAL DRILLING MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TECHNIQUE

- 6.1 Conventional
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Rotary Steerable System
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY PARTS

7.1 Rigs

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Pipes

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Bits

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Reamers

7.4.1 Market Trends

7.4.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

8.1 On-shore

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Off-shore

8.2.1 Market Trends

8.2.2 Market Forecast

9 MARKET BREAKUP BY END USER

9.1 Oil and Gas Excavation

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Utility

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Telecommunication

9.3.1 Market Trends

9.3.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

- 10.1.1 United States
 - 10.1.1.1 Market Trends
 - 10.1.1.2 Market Forecast
- 10.1.2 Canada
 - 10.1.2.1 Market Trends
 - 10.1.2.2 Market Forecast
- 10.2 Asia-Pacific
 - 10.2.1 China
 - 10.2.1.1 Market Trends
 - 10.2.1.2 Market Forecast
 - 10.2.2 Japan
 - 10.2.2.1 Market Trends
 - 10.2.2.2 Market Forecast
 - 10.2.3 India
 - 10.2.3.1 Market Trends
 - 10.2.3.2 Market Forecast
 - 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
 - 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
 - 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
 - 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy

- 10.3.4.1 Market Trends
- 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

- 13.1 Overview

- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
 - 15.3.1 Baker Hughes Company
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio
 - 15.3.1.3 Financials
 - 15.3.1.4 SWOT Analysis
 - 15.3.2 Barbcoco Inc.
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.3 China Oilfield Services Limited (China National Offshore Oil Corporation)
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.3.3 Financials
 - 15.3.4 Ellingson Companies
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.5 Halliburton Company
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials
 - 15.3.5.4 SWOT Analysis
 - 15.3.6 Helmerich & Payne Inc.
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 Financials
 - 15.3.6.4 SWOT Analysis
 - 15.3.7 Herrenknecht AG

- 15.3.7.1 Company Overview
- 15.3.7.2 Product Portfolio
- 15.3.8 Nabors Industries Ltd.
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
 - 15.3.8.3 Financials
 - 15.3.8.4 SWOT Analysis
- 15.3.9 NOV Inc.
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
 - 15.3.9.4 SWOT Analysis
- 15.3.10 Schlumberger Limited
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials
 - 15.3.10.4 SWOT Analysis
- 15.3.11 The Toro Company
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio
 - 15.3.11.3 Financials
 - 15.3.11.4 SWOT Analysis
- 15.3.12 Vermeer Corporation
 - 15.3.12.1 Company Overview
 - 15.3.12.2 Product Portfolio
- 15.3.13 Weatherford International plc
 - 15.3.13.1 Company Overview
 - 15.3.13.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Horizontal Directional Drilling Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: Horizontal Directional Drilling Market Forecast: Breakup by Technique (in Million US\$), 2024-2032

Table 3: Global: Horizontal Directional Drilling Market Forecast: Breakup by Parts (in Million US\$), 2024-2032

Table 4: Global: Horizontal Directional Drilling Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 5: Global: Horizontal Directional Drilling Market Forecast: Breakup by End User (in Million US\$), 2024-2032

Table 6: Global: Horizontal Directional Drilling Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 7: Global: Horizontal Directional Drilling Market: Competitive Structure

Table 8: Global: Horizontal Directional Drilling Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Horizontal Directional Drilling Market: Major Drivers and Challenges

Figure 2: Global: Horizontal Directional Drilling Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Horizontal Directional Drilling Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Horizontal Directional Drilling Market: Breakup by Technique (in %), 2023

Figure 5: Global: Horizontal Directional Drilling Market: Breakup by Parts (in %), 2023

Figure 6: Global: Horizontal Directional Drilling Market: Breakup by Application (in %), 2023

Figure 7: Global: Horizontal Directional Drilling Market: Breakup by End User (in %), 2023

Figure 8: Global: Horizontal Directional Drilling Market: Breakup by Region (in %), 2023

Figure 9: Global: Horizontal Directional Drilling (Conventional) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Horizontal Directional Drilling (Conventional) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Horizontal Directional Drilling (Rotary Steerable System) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Horizontal Directional Drilling (Rotary Steerable System) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Horizontal Directional Drilling (Rigs) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Horizontal Directional Drilling (Rigs) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Horizontal Directional Drilling (Pipes) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Horizontal Directional Drilling (Pipes) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Horizontal Directional Drilling (Bits) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Horizontal Directional Drilling (Bits) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Horizontal Directional Drilling (Reamers) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Horizontal Directional Drilling (Reamers) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Horizontal Directional Drilling (On-shore) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Horizontal Directional Drilling (On-shore) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Horizontal Directional Drilling (Off-shore) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Horizontal Directional Drilling (Off-shore) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Horizontal Directional Drilling (Oil and Gas Excavation) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Horizontal Directional Drilling (Oil and Gas Excavation) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Global: Horizontal Directional Drilling (Utility) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Global: Horizontal Directional Drilling (Utility) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: Global: Horizontal Directional Drilling (Telecommunication) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: Global: Horizontal Directional Drilling (Telecommunication) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: North America: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: North America: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: United States: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: United States: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: Canada: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: Canada: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Asia-Pacific: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Asia-Pacific: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: China: Horizontal Directional Drilling Market: Sales Value (in Million US\$),

2018 & 2023

Figure 40: China: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Japan: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Japan: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: India: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: India: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: South Korea: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: South Korea: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Australia: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Australia: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Indonesia: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Indonesia: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Others: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Others: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Europe: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Europe: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Germany: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Germany: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: France: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: France: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: United Kingdom: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: United Kingdom: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Italy: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Italy: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Spain: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Spain: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Russia: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Russia: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Others: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Others: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Latin America: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Latin America: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Brazil: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Brazil: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Mexico: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Mexico: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 75: Others: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 76: Others: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Middle East and Africa: Horizontal Directional Drilling Market: Sales Value (in Million US\$), 2018 & 2023

Figure 78: Middle East and Africa: Horizontal Directional Drilling Market: Breakup by

Country (in %), 2023

Figure 79: Middle East and Africa: Horizontal Directional Drilling Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 80: Global: Horizontal Directional Drilling Industry: SWOT Analysis

Figure 81: Global: Horizontal Directional Drilling Industry: Value Chain Analysis

Figure 82: Global: Horizontal Directional Drilling Industry: Porter's Five Forces Analysis

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