

Inspection Robotics in Oil & Gas Industry: Global Market 2018-2025 by Robot Type, Application, System Component and Region

<https://marketpublishers.com/r/IB5BB8CF42BEN.html>

Date: March 2019

Pages: 183

Price: US\$ 2,516.00 (Single User License)

ID: IB5BB8CF42BEN

Abstracts

Inspection robotics in oil & gas industry are robots and intelligent devices developed and employed for inspecting, monitoring and surveying oil & gas pipelines, platforms, rigs, storage tanks and other oil & gas structures. Oil & gas inspection robots include unmanned underwater vehicles (UUVs), unmanned aerial vehicles (UAVs), unmanned ground vehicles (UGVs), and smart PIGs among others. UUVs include remotely operated underwater vehicles (ROVs) and autonomous underwater vehicles (AUVs). Global cumulative Capex (capital expenditure) of inspection robots in oil & gas industry will advance to \$17.83 billion during 2019-2025, representing a robust growth at 15.9% per annum between 2018 and 2025.

Highlighted with 55 tables and 66 figures, this 183-page report “Inspection Robotics in Oil & Gas Industry: Global Market 2018-2025 by Robot Type, Application, System Component and Region” is based on a comprehensive research of the inspection robots market in oil & gas industry by analyzing the entire global market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report provides historical market data for 2014-2017, revenue estimates for 2018, and forecasts from 2019 till 2025. (Please note: Before delivery, the report will be updated so that the latest historical year is the base year and the forecast covers the next 5-10 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of global market is forecast in optimistic, balanced, and conservative view. The balanced (most likely) projection is used to quantify global oil & gas inspection robotics market in every aspect of the classification from perspectives of Robot Type, Application, System Component and Region.

Based on robot type, the global market is segmented into the following sub-markets with annual revenue included for 2014-2025 (historical and forecast) for each section.

ROVs

AUVs

UAVs

UGVs

Smart PIGs

Others

Based on application, the global market is segmented into the following sub-markets with annual revenue included for 2014-2025 (historical and forecast) for each section.

Oil and Gas Pipelines

Oil Storage Tanks

Platforms

Rigs

Other Oil and Gas Structures

Based on system component, the global market is segmented into the following sub-markets with annual revenue included for 2014-2025 (historical and forecast) for each section.

Hardware System (further split into Imaging System, Sensors and Automation Systems, Steering and Positioning, Navigation System, Energy and Propulsion, others)

Software System

Operation and Service

Geographically, the following regions together with the listed national markets are fully investigated:

APAC (Japan, China, Indonesia, Australia, India, and Rest of APAC)

Europe (Germany, UK, Norway, Russia, Rest of Europe)

North America (U.S. and Canada)

Latin America (Brazil, Mexico, Argentina, Rest of Latin America)

Africa (Nigeria, Angola)

Middle East (Saudi Arabia, United Arab Emirates)

For each of the aforementioned regions and countries, detailed analysis and data for annual capex are available for 2014-2025. The breakdown of all regional markets by country and split of key national markets by Robot Type and Application over the

forecast years are also included.

The report also covers current competitive scenario and the predicted manufacture trend; and profiles key robotics vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in global oil & gas inspection robot market are assayed quantitatively and qualitatively through GMD's Risk Assessment System. According to the risk analysis and evaluation, Critical Success Factors (CSFs) are generated as a guidance to help investors & stockholders identify emerging opportunities, manage and minimize the risks, develop appropriate business models, and make wise strategies and decisions.

Key Players:

ABB Ltd.

AeroVironment, Inc.

Alstom Inspection Robots

Cyberhawk Innovations Ltd.

ECA Group

Flyability SA

FMC Technologies Inc.

Honeybee Robotics

Hydrovision Ltd.

IKM Subsea AS

ING Robotic Aviation

International Submarine Engineering (ISE) Ltd.

Inuktun Services Ltd.

MISTRAS Group Inc.

OC Robotics

Seegrid

Sky-Futures

VDOS

(Please note: Before delivery, the report will be updated so that the latest historical year is the base year and the forecast covers the next 5-10 years over the base year.)

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND QUALITATIVE ANALYSIS

- 2.1 Market Size and Forecast
- 2.2 Market Structure
- 2.3 Major Growth Drivers
- 2.4 Market Restraints and Challenges
- 2.5 Emerging Opportunities and Market Trends
- 2.6 Porter's Fiver Forces Analysis

3 ANALYSIS OF GLOBAL MARKET BY ROBOT TYPE

- 3.1 Market Overview by Robot Type
- 3.2 Remotely Operated Vehicles (ROVs) for Oil & Gas Inspection: Global Market 2014-2025
- 3.3 Autonomous Underwater Vehicles (AUVs) for Oil & Gas Inspection: Global Market 2014-2025
- 3.4 Unmanned Aerial Vehicles (UAVs) for Oil & Gas Inspection: Global Market 2014-2025
- 3.5 Unmanned Ground Vehicles (UGVs) for Oil & Gas Inspection: Global Market 2014-2025
- 3.6 Smart PIGS for Oil & Gas Inspection: Global Market 2014-2025
- 3.7 Other Robotics for Oil & Gas Inspection: Global Market 2014-2025

4 ANALYSIS OF GLOBAL MARKET BY APPLICATION

- 4.1 Market Overview by Application
- 4.2 Oil and Gas Pipelines
- 4.3 Oil Storage Tanks
- 4.4 Oil & Gas Platforms
- 4.5 Oil & Gas Rigs
- 4.6 Other Oil and Gas Structures

5 ANALYSIS OF GLOBAL MARKET BY SYSTEM COMPONENT

- 5.1 Market Overview by System Component
- 5.2 Oil & Gas Inspection Robot Hardware Market 2014-2025
 - 5.2.1 Imaging System
 - 5.2.2 Sensors and Automation Systems
 - 5.2.3 Steering and Positioning
 - 5.2.4 Navigation System
 - 5.2.5 Energy and Propulsion
 - 5.2.6 Other Hardware Components
- 5.3 Oil & Gas Inspection Robot Software Market 2014-2025
- 5.4 Oil & Gas Inspection Robot Operation and Service Market 2014-2025

6 ANALYSIS OF GLOBAL MARKET BY REGION

- 6.1 Geographic Market Overview by Region 2018-2025
- 6.2 North America Market 2014-2025
 - 6.2.1 Overview of North America Market
 - 6.2.2 U.S. Market
 - 6.2.3 Canadian Market
- 6.3 European Market 2014-2025
 - 6.3.1 Overview of European Market
 - 6.3.2 Germany
 - 6.3.3 UK
 - 6.3.4 Norway
 - 6.3.5 Russia
 - 6.3.6 Rest of European Market
- 6.4 Asia-Pacific Market 2014-2025
 - 6.4.1 Overview of Asia-Pacific Market

- 6.4.2 Japan
- 6.4.3 China
- 6.4.4 Indonesia
- 6.4.5 Australia
- 6.4.6 India
- 6.4.7 Rest of APAC Region
- 6.5 Latin America Market 2014-2025
 - 6.5.1 Argentina
 - 6.5.2 Brazil
 - 6.5.3 Mexico
 - 6.5.4 Rest of Latin America Market
- 6.6 Africa Market 2014-2025
 - 6.6.1 Nigeria
 - 6.6.2 Angola
- 6.7 Middle East Market 2014-2025
 - 6.7.1 Saudi Arabia
 - 6.7.2 United Arab Emirates

7 COMPETITIVE LANDSCAPE

- 7.1 Overview of Global Vendors
- 7.2 Company Profiles

8 INVESTING IN GLOBAL MARKET: RISK ASSESSMENT AND MANAGEMENT

- 8.1 Risk Evaluation of Global Market
 - 8.2 Critical Success Factors (CSFs)
- RELATED REPORTS AND PRODUCTS**

List Of Tables

LIST OF TABLES:

Table 1. Snapshot of Global Inspection Robotics Market for Oil & Gas Industry, 2018-2025

Table 2. Main Product Trends and Market Opportunities in Global Inspection Robotics Market for Oil & Gas Industry

Table 3. Global Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 4. Classifications of ROVs by Type

Table 5. Global Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 6. Global Inspection Robotics Market for Oil & Gas Industry by System Component, 2014-2025, \$ mn

Table 7. Global Inspection Robotics Market for Oil & Gas Industry by Hardware Component, 2014-2025, \$ mn

Table 8. Leading National Inspection Robotics Markets for Oil & Gas Industry by Capex, 2018 and 2025, \$ mn

Table 9. Global Inspection Robotics Market for Oil & Gas Industry by Region, 2014-2025, \$ mn

Table 10. North America Oil & Gas Inspection Robotics Market by Country, 2014-2025, \$ mn

Table 11. U.S. Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 12. U.S. Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 13. Canada Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 14. Canada Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 15. Europe Oil & Gas Inspection Robotics Market by Country, 2014-2025, \$ mn

Table 16. Germany Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 17. Germany Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 18. UK Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 19. UK Inspection Robotics Market for Oil & Gas Industry by Application,

2014-2025, \$ mn

Table 20. Norway Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 21. Norway Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 22. Russia Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 23. Russia Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 24. APAC Oil & Gas Inspection Robotics Market by Country, 2014-2025, \$ mn

Table 25. Japan Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 26. Japan Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 27. China Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 28. China Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 29. Indonesia Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 30. Indonesia Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 31. Australia Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 32. Australia Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 33. India Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 34. India Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 35. Latin America Oil & Gas Inspection Robotics Market by Country, 2014-2025, \$ mn

Table 36. Argentina Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 37. Argentina Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 38. Brazil Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 39. Brazil Inspection Robotics Market for Oil & Gas Industry by Application,

2014-2025, \$ mn

Table 40. Mexico Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 41. Mexico Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 42. Africa Oil & Gas Inspection Robotics Market by Country, 2014-2025, \$ mn

Table 43. Nigeria Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 44. Nigeria Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 45. Angola Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 46. Angola Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 47. Middle East Oil & Gas Inspection Robotics Market by Country, 2014-2025, \$ mn

Table 48. Saudi Arabia Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 49. Saudi Arabia Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 50. UAE Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 51. UAE Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 52. ABB Revenue by Business Division, 2014-2017, \$ million

Table 53. ABB Revenue by Region, 2014-2017, \$ million

Table 54. Risk Evaluation for Investing in Global Market, 2018-2025

Table 55. Critical Success Factors and Key Takeaways

List Of Figures

LIST OF FIGURES:

Figure 1. Research Method Flow Chart

Figure 2. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 3. Global Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2018-2025

Figure 4. Global Inspection Robotics Market for Oil & Gas Industry by Capex, 2014-2025, \$ mn

Figure 5. Structure and Segments of Global Inspection Robotics Market for Oil & Gas Industry

Figure 6. Primary Drivers and Impact Factors of Global Inspection Robotics Market for Oil & Gas Industry

Figure 7. Global Population, GDP and Energy Demand, 1990-2030

Figure 8. Global Oil & Gas Offshore and Deepwater Production, 1970-2020

Figure 9. Primary Restraints and Impact Factors of Global Inspection Robotics Market for Oil & Gas Industry

Figure 10. Porter's Fiver Forces Analysis of Global Inspection Robotics Market for Oil & Gas Industry

Figure 11. Breakdown of Global Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2018-2025, % of Capex

Figure 12. Global ROVs Market for Oil & Gas Inspection by Capex, 2014-2025, \$ mn

Figure 13. Global AUVs Market for Oil & Gas Inspection by Capex, 2014-2025, \$ mn

Figure 14. Global UAVs Market for Oil & Gas Inspection by Capex, 2014-2025, \$ mn

Figure 15. Global UGVs Market for Oil & Gas Inspection by Capex, 2014-2025, \$ mn

Figure 16. Global Smart PIGS Market for Oil & Gas Inspection by Capex, 2014-2025, \$ mn

Figure 17. Global Market of Other Robotics for Oil & Gas Inspection by Capex, 2014-2025, \$ mn

Figure 18. Breakdown of Global Inspection Robotics Market for Oil & Gas Industry by Application, 2018-2025, % of Capex

Figure 19. Global Inspection Robotics Market for Oil and Gas Pipelines, 2014-2025, \$ mn

Figure 20. Global Inspection Robotics Market for Oil Storage Tanks, 2014-2025, \$ mn

Figure 21. Global Inspection Robotics Market for Oil & Gas Platforms, 2014-2025, \$ mn

Figure 22. Global Inspection Robotics Market for Oil & Gas Rigs, 2014-2025, \$ mn

Figure 23. Global Oil & Gas Inspection Robotics Market for Other Oil and Gas Structures, 2014-2025, \$ mn

Figure 24. Breakdown of Global Inspection Robotics Market for Oil & Gas Industry by System Component, 2018-2025, % of Capex

Figure 25. Global Inspection Robot Hardware Market for Oil & Gas Industry, 2014-2025, \$ mn

Figure 26. Breakdown of Global Inspection Robot Hardware Market for Oil & Gas Industry by Component, 2018-2025, % of Capex

Figure 27. Global Inspection Robot Software Market for Oil & Gas Industry, 2014-2025, \$ mn

Figure 28. Global Inspection Robot Operation & Service Market for Oil & Gas Industry, 2014-2025, \$ mn

Figure 29. Global ROV Operation Personnel, 2014-2025

Figure 30. Global Vessel Demand (%) by Water Depth (m), 2010-2019

Figure 31. Geographic Spread of Worldwide Inspection Robotics Market for Oil & Gas Industry, 2018-2025, % of Capex

Figure 32. North American Inspection Robotics Market for Oil & Gas Industry by Capex, 2014-2025, \$ mn

Figure 33. Breakdown of North America Oil & Gas Inspection Robotics Market by Country, 2018 and 2025, % of Capex

Figure 34. U.S. Oil & Gas Inspection Robotics Market by Capex, 2014-2025, \$ mn

Figure 35. Canada Oil & Gas Inspection Robotics Market by Capex, 2014-2025, \$ mn

Figure 36. European Inspection Robotics Market for Oil & Gas Industry by Capex, 2014-2025, \$ mn

Figure 37. Breakdown of European Inspection Robotics Market by Country, 2018 and 2025, % of Capex

Figure 38. Oil & Gas Inspection Robotics Market in Germany by Capex, 2014-2025, \$ mn

Figure 39. Oil & Gas Inspection Robotics Market in UK by Capex, 2014-2025, \$ mn

Figure 40. Oil & Gas Inspection Robotics Market in Norway by Capex, 2014-2025, \$ mn

Figure 41. Oil & Gas Inspection Robotics Market in Russia by Capex, 2014-2025, \$ mn

Figure 42. Oil & Gas Inspection Robotics Market in Rest of Europe by Capex, 2014-2025, \$ mn

Figure 43. Asia-Pacific Inspection Robotics Market for Oil & Gas Industry by Capex, 2014-2025, \$ mn

Figure 44. Breakdown of APAC Oil & Gas Inspection Robotics Market by Country, 2018 and 2025, % of Capex

Figure 45. Oil & Gas Inspection Robotics Market in Japan by Capex, 2014-2025, \$ mn

Figure 46. Oil & Gas Inspection Robotics Market in China by Capex, 2014-2025, \$ mn

Figure 47. Oil & Gas Inspection Robotics Market in Indonesia by Capex, 2014-2025, \$ mn

Figure 48. Oil & Gas Inspection Robotics Market in Australia by Capex, 2014-2025, \$ mn

Figure 49. Oil & Gas Inspection Robotics Market in India by Capex, 2014-2025, \$ mn

Figure 50. Oil & Gas Inspection Robotics Market in Rest APAC by Capex, 2014-2025, \$ mn

Figure 51. Latin America Inspection Robotics Market for Oil & Gas Industry by Capex, 2014-2025, \$ mn

Figure 52. Breakdown of Latin America Oil & Gas Inspection Robotics Market by Country, 2018 and 2025, % of Capex

Figure 53. Oil & Gas Inspection Robotics Market in Argentina by Capex, 2014-2025, \$ mn

Figure 54. Oil & Gas Inspection Robotics Market for in Brazil by Capex, 2014-2025, \$ mn

Figure 55. Oil & Gas Inspection Robotics Market in Mexico by Capex, 2014-2025, \$ mn

Figure 56. Oil & Gas Inspection Robotics Market in Rest of Latin America by Capex, 2014-2025, \$ mn

Figure 57. Africa Oil & Gas Inspection Robotics Market by Capex, 2014-2025, \$ mn

Figure 58. Breakdown of Africa Oil & Gas Inspection Robotics Market by Country, 2018 and 2025, % of Capex

Figure 59. Oil & Gas Inspection Robotics Market in Nigeria by Capex, 2014-2025, \$ mn

Figure 60. Oil & Gas Inspection Robotics Market in Angola by Capex, 2014-2025, \$ mn

Figure 61. Middle East Oil & Gas Inspection Robotics Market by Capex, 2014-2025, \$ mn

Figure 62. Breakdown of Middle East Oil & Gas Inspection Robotics Market by Country, 2018 and 2025, % of Capex

Figure 63. Oil & Gas Inspection Robotics Market in Saudi Arabia by Capex, 2014-2025, \$ mn

Figure 64. Oil & Gas Inspection Robotics Market in United Arab Emirates, 2014-2025, \$ mn

Figure 65. Growth Stage of Global Oil & Gas Inspection Robot Industry over the Forecast Period

Figure 66. Company Overview of ABB as of 2017

I would like to order

Product name: Inspection Robotics in Oil & Gas Industry: Global Market 2018-2025 by Robot Type, Application, System Component and Region

Product link: <https://marketpublishers.com/r/IB5BB8CF42BEN.html>

Price: US\$ 2,516.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/IB5BB8CF42BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

