

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

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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). APAC Capex (capital expenditure) of inspection robots in oil & gas industry is expected to grow at 16.1% annually over 2019-2025 driven by an increasing adoption of intelligent robotics in oil & gas inspection and surveillance across the region.

Highlighted with 22 tables and 38 figures, this 128-page report “Inspection Robotics in Oil & Gas Industry: APAC Market 2018-2025 by Robot Type, Application, System Component and Country” is based on a comprehensive research of the inspection robots market in oil & gas industry by analyzing the entire regional 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 APAC market is forecast in optimistic, balanced, and conservative view. The balanced (most likely) projection is used to quantify APAC oil & gas inspection robotics market in every aspect of the classification from perspectives of Robot Type, Application, System Component and Country.

Based on robot type, the APAC 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 APAC 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 APAC 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 national markets are fully investigated:

Japan

China

Indonesia

Australia

India

Rest of APAC

For each of the aforementioned countries, detailed analysis and data for annual capex are available for 2014-2025. The breakdown 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 oil & gas inspection robot vendors including market leaders and important emerging players.

Specifically, potential risks associated with investing in APAC 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 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 ANALYSIS OF APAC MARKET BY ROBOT TYPE

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

4 ANALYSIS OF APAC 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 APAC 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 ASIA-PACIFIC MARKET 2014-2025

- 6.1 Overview of Asia-Pacific Market
- 6.2 Japan
- 6.3 China
- 6.4 Indonesia
- 6.5 Australia
- 6.6 India
- 6.7 Rest of APAC Region

7 COMPETITIVE LANDSCAPE

- 7.1 Overview of APAC Vendors
- 7.2 Company Profiles

8 INVESTING IN APAC MARKET: RISK ASSESSMENT AND MANAGEMENT

8.1 Risk Evaluation of APAC Market

8.2 Critical Success Factors (CSFs)

RELATED REPORTS AND PRODUCTS

List Of Tables

LIST OF TABLES:

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

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

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

Table 4. Classifications of ROVs by Type

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

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

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

Table 8. APAC Oil & Gas Inspection Robotics Market by Country, 2014-2025, \$ mn

Table 9. Japan Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 10. Japan Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

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

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

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

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

Table 15. Australia Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 16. Australia Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 17. India Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2014-2025, \$ mn

Table 18. India Inspection Robotics Market for Oil & Gas Industry by Application, 2014-2025, \$ mn

Table 19. ABB Revenue by Business Division, 2014-2017, \$ million

Table 20. ABB Revenue by Region, 2014-2017, \$ million

Table 21. Risk Evaluation for Investing in APAC Market, 2018-2025

Table 22. 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. APAC Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2018-2025

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

Figure 5. Primary Drivers and Impact Factors of APAC Inspection Robotics Market for Oil & Gas Industry

Figure 6. Global Population, GDP and Energy Demand, 1990-2030

Figure 7. Global Oil & Gas Offshore and Deepwater Production, 1970-2020

Figure 8. Primary Restraints and Impact Factors of APAC Inspection Robotics Market for Oil & Gas Industry

Figure 9. Porter's Fiver Forces Analysis of APAC Inspection Robotics Market for Oil & Gas Industry

Figure 10. Breakdown of APAC Inspection Robotics Market for Oil & Gas Industry by Robot Type, 2018-2025, % of Capex

Figure 11. APAC ROVs Market for Oil & Gas Inspection by Capex, 2014-2025, \$ mn

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

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

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

Figure 15. APAC Smart PIGS Market for Oil & Gas Inspection by Capex, 2014-2025, \$ mn

Figure 16. APAC Market of Other Robotics for Oil & Gas Inspection by Capex, 2014-2025, \$ mn

Figure 17. Breakdown of APAC Inspection Robotics Market for Oil & Gas Industry by Application, 2018-2025, % of Capex

Figure 18. APAC Inspection Robotics Market for Oil and Gas Pipelines, 2014-2025, \$ mn

Figure 19. APAC Inspection Robotics Market for Oil Storage Tanks, 2014-2025, \$ mn

Figure 20. APAC Inspection Robotics Market for Oil & Gas Platforms, 2014-2025, \$ mn

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

Figure 22. APAC Oil & Gas Inspection Robotics Market for Other Oil and Gas Structures, 2014-2025, \$ mn

Figure 23. Breakdown of APAC Inspection Robotics Market for Oil & Gas Industry by System Component, 2018-2025, % of Capex

Figure 24. APAC Inspection Robot Hardware Market for Oil & Gas Industry, 2014-2025, \$ mn

Figure 25. Breakdown of APAC Inspection Robot Hardware Market for Oil & Gas Industry by Component, 2018-2025, % of Capex

Figure 26. APAC Inspection Robot Software Market for Oil & Gas Industry, 2014-2025, \$ mn

Figure 27. APAC Inspection Robot Operation & Service Market for Oil & Gas Industry, 2014-2025, \$ mn

Figure 28. Global ROV Operation Personnel, 2014-2025

Figure 29. Global Vessel Demand (%) by Water Depth (m), 2010-2019

Figure 30. Breakdown of APAC Oil & Gas Inspection Robotics Market by Country, 2018 and 2025, % of Capex

Figure 31. Oil & Gas Inspection Robotics Market in Japan by Capex, 2014-2025, \$ mn

Figure 32. Oil & Gas Inspection Robotics Market in China by Capex, 2014-2025, \$ mn

Figure 33. Oil & Gas Inspection Robotics Market in Indonesia by Capex, 2014-2025, \$ mn

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

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

Figure 36. Oil & Gas Inspection Robotics Market in Rest APAC by Capex, 2014-2025, \$ mn

Figure 37. Growth Stage of APAC Oil & Gas Inspection Robot Industry over the Forecast Period

Figure 38. Company Overview of ABB as of 2017

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