

# **Global Intelligent Pigging Market Size study, by Technology (Magnetic Flux Leakage, Ultrasonic, Caliper), by Pipeline Type (Gas, Liquid), by Application (Metal Loss/Corrosion Detection, Geometry Measurement & Bend Detection, Crack & Leak Detection) and Regional Forecasts 2022-2032**

<https://marketpublishers.com/r/GC449E198EB8EN.html>

Date: June 2024

Pages: 200

Price: US\$ 3,218.00 (Single User License)

ID: GC449E198EB8EN

## **Abstracts**

Global Intelligent Pigging Market is valued at approximately USD 294.21 million in 2023 and is anticipated to grow with a healthy growth rate of more than 6.72% over the forecast period 2024-2032. Intelligent pigging, also known as inline inspection (ILI), is a method used in the oil and gas industry to inspect pipelines internally. The "pig" is a device inserted into the pipeline and propelled by the product's flow. It can be equipped with various sensors and tools to gather data about the pipeline's condition. The key trend of Intelligent Pigging Market is growing integration of advanced data analytics and ML techniques. Additionally, the integration of advanced data analytics and machine learning techniques into intelligent pigging systems enables more efficient data processing, interpretation, and decision-making. By leveraging big data analytics, operators extract valuable insights from inspection data to optimize maintenance schedules, predict potential failures, and improve overall pipeline performance.

Moreover, stringent regulations regarding pipeline safety and integrity management imposed by government authorities and industry standards organizations drive intelligent pigging technology adoption. Compliance with these regulations necessitates regular inspection and maintenance of pipelines, which intelligent pigging facilitates. Additionally, other factors that support the market growth are growing demand for energy, increasing focus on pipeline safety, and growing concern over the safety of pipelines and energy infrastructure. However, the high initial investment and lack of

awareness and education about the advantages of intelligent pigging are expected to hinder the growth of Intelligent Pigging market during the forecast period 2024-2032.

The key regions considered for the global Intelligent Pigging market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market. The stringent regulations in North America, enforced by authorities such as the Pipeline and Hazardous Materials Safety Administration (PHMSA) in the United States and the National Energy Board (NEB) in Canada, require regular inspections and maintenance of pipeline infrastructure to ensure the safety and integrity. This regulatory framework catalyzes the adoption of intelligent pigging technologies, as companies strive to comply with these mandates and enhance their pipeline inspection and maintenance practices. Also, North America stands as a beacon of innovation in the field of intelligent pigging technology, leading the charge in pioneering advancements. Renowned for its robust investment in research and development, the region continuously elevates the capabilities of intelligent pigging technologies. Such strides not only garner international attention still also solidify North America's prominent position in the global market, drawing customers from around the world to benefit from these cutting-edge solutions. Whereas, the Asia Pacific is expected to grow with the highest CAGR during the forecast period.

Major market player included in this report are:

Baker Hughes Company  
Corrosion Control Engineering  
Rouge Pipeline & Process Services  
Penspen  
Halfwave AS  
Romstar Sdb Bhd  
Cokebusters Ltd. & Cokebusters Inc.  
Quest Integrity Group, LLC  
A.Hak Industrial Services  
SGS SA

The detailed segments and sub-segment of the market are explained below:

By Technology  
Magnetic Flux Leakage  
Ultrasonic  
Caliper

**By Pipeline Type**

Gas

Liquid

**By Application**

Metal Loss/Corrosion Detection

Geometry Measurement &amp; Bend Detection

Crack &amp; Leak Detection

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East &amp; Africa

Saudi Arabia

South Africa

RoMEA

**Years considered for the study are as follows:**

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

**Key Takeaways:**

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL INTELLIGENT PIGGING MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
  - 1.3.1. Inclusion & Exclusion
  - 1.3.2. Limitations
  - 1.3.3. Supply Side Analysis
    - 1.3.3.1. Availability
    - 1.3.3.2. Infrastructure
    - 1.3.3.3. Regulatory Environment
    - 1.3.3.4. Market Competition
    - 1.3.3.5. Economic Viability (Consumer's Perspective)
  - 1.3.4. Demand Side Analysis
    - 1.3.4.1. Regulatory frameworks
    - 1.3.4.2. Technological Advancements
    - 1.3.4.3. Environmental Considerations
    - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Global Intelligent Pigging Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
  - 2.3.1. By Technology
  - 2.3.2. By Pipeline Type
  - 2.3.3. By Application
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

### **CHAPTER 3. GLOBAL INTELLIGENT PIGGING MARKET DYNAMICS**

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

## **CHAPTER 4. GLOBAL INTELLIGENT PIGGING MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL INTELLIGENT PIGGING MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032**

- 5.1. Magnetic Flux Leakage
- 5.2. Ultrasonic
- 5.3. Caliper

## **CHAPTER 6. GLOBAL INTELLIGENT PIGGING MARKET SIZE & FORECASTS BY PIPELINE TYPE 2022-2032**

- 6.1. Gas
- 6.2. Liquid

## **CHAPTER 7. GLOBAL INTELLIGENT PIGGING MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

- 7.1. Metal Loss/Corrosion Detection
- 7.2. Geometry Measurement & Bend Detection
- 7.3. Crack & Leak Detection

## **CHAPTER 8. GLOBAL INTELLIGENT PIGGING MARKET SIZE & FORECASTS BY REGION 2022-2032**

- 8.1. North America Intelligent Pigging Market
  - 8.1.1. U.S. Intelligent Pigging Market
    - 8.1.1.1. Technology breakdown size & forecasts, 2022-2032
    - 8.1.1.2. Pipeline Type breakdown size & forecasts, 2022-2032
    - 8.1.1.3. Application breakdown size & forecasts, 2022-2032
  - 8.1.2. Canada Intelligent Pigging Market
- 8.2. Europe Intelligent Pigging Market
  - 8.2.1. U.K. Intelligent Pigging Market
  - 8.2.2. Germany Intelligent Pigging Market
  - 8.2.3. France Intelligent Pigging Market
  - 8.2.4. Spain Intelligent Pigging Market
  - 8.2.5. Italy Intelligent Pigging Market
  - 8.2.6. Rest of Europe Intelligent Pigging Market
- 8.3. Asia-Pacific Intelligent Pigging Market
  - 8.3.1. China Intelligent Pigging Market
  - 8.3.2. India Intelligent Pigging Market
  - 8.3.3. Japan Intelligent Pigging Market
  - 8.3.4. Australia Intelligent Pigging Market
  - 8.3.5. South Korea Intelligent Pigging Market
  - 8.3.6. Rest of Asia Pacific Intelligent Pigging Market
- 8.4. Latin America Intelligent Pigging Market
  - 8.4.1. Brazil Intelligent Pigging Market
  - 8.4.2. Mexico Intelligent Pigging Market
  - 8.4.3. Rest of Latin America Intelligent Pigging Market
- 8.5. Middle East & Africa Intelligent Pigging Market
  - 8.5.1. Saudi Arabia Intelligent Pigging Market
  - 8.5.2. South Africa Intelligent Pigging Market
  - 8.5.3. Rest of Middle East & Africa Intelligent Pigging Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. Company
  - 9.1.2. Company
  - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
  - 9.3.1. Baker Hughes Company
    - 9.3.1.1. Key Information
    - 9.3.1.2. Overview
    - 9.3.1.3. Financial (Subject to Data Availability)
    - 9.3.1.4. Product Summary
    - 9.3.1.5. Market Strategies
  - 9.3.2. Corrosion Control Engineering
  - 9.3.3. Rouge Pipeline & Process Services
  - 9.3.4. Penspen
  - 9.3.5. Halfwave AS
  - 9.3.6. Romstar Sdb Bhd
  - 9.3.7. Cokebusters Ltd. & Cokebusters Inc.
  - 9.3.8. Quest Integrity Group, LLC
  - 9.3.9. A.Hak Industrial Services
  - 9.3.10. SGS SA

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Intelligent Pigging market, report scope

TABLE 2. Global Intelligent Pigging market estimates & forecasts by Region 2022-2032 (USD Million)

TABLE 3. Global Intelligent Pigging market estimates & forecasts by Technology 2022-2032 (USD Million)

TABLE 4. Global Intelligent Pigging market estimates & forecasts by Pipeline Type 2022-2032 (USD Million)

TABLE 5. Global Intelligent Pigging market estimates & forecasts by Application 2022-2032 (USD Million)

TABLE 6. Global Intelligent Pigging market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 7. Global Intelligent Pigging market by region, estimates & forecasts, 2022-2032 (USD Million)

TABLE 8. Global Intelligent Pigging market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 9. Global Intelligent Pigging market by region, estimates & forecasts, 2022-2032 (USD Million)

TABLE 10. Global Intelligent Pigging market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 11. Global Intelligent Pigging market by region, estimates & forecasts, 2022-2032 (USD Million)

TABLE 12. Global Intelligent Pigging market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 13. Global Intelligent Pigging market by region, estimates & forecasts, 2022-2032 (USD Million)

TABLE 14. Global Intelligent Pigging market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 15. Global Intelligent Pigging market by region, estimates & forecasts, 2022-2032 (USD Million)

TABLE 16. U.S. Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 17. U.S. Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 18. U.S. Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 19. Canada Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 20. Canada Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 21. Canada Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 22. UK Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 23. UK Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 24. UK Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 25. Germany Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 26. Germany Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 27. Germany Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 28. France Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 29. France Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 30. France Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 31. Italy Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 32. Italy Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 33. Italy Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 34. Spain Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 35. Spain Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 36. Spain Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 37. RoE Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 38. RoE Intelligent Pigging market estimates & forecasts by segment 2022-2032

(USD Million)

TABLE 39. RoE Intelligent Pigging market estimates & forecasts by segment 2022-2032

(USD Million)

TABLE 40. China Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 41. China Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 42. China Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 43. India Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 44. India Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 45. India Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 46. Japan Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 47. Japan Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 48. Japan Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 49. Australia Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 50. Australia Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 51. Australia Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 52. South Korea Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 53. South Korea Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 54. South Korea Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 55.

TABLE 56. RoAPAC Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 57. RoAPAC Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 58. RoAPAC Intelligent Pigging market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 59. Brazil Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 60. Brazil Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 61. Brazil Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 62. Mexico Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 63. Mexico Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 64. Mexico Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 65. RoLA Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 66. RoLA Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 67. RoLA Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 68. Saudi Arabia Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 69. Saudi Arabia Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 70. Saudi Arabia Intelligent Pigging market estimates & forecasts, 2022-2032 (USD Million)

TABLE 71. South Africa Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 72.

TABLE 73. South Africa Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 74. South Africa Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 75. RoMEA Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 76. RoMEA Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 77. RoMEA Intelligent Pigging market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 78. List of secondary sources, used in the study of Global Intelligent Pigging

Market.

TABLE 79. List of primary sources, used in the study of Global Intelligent Pigging Market.

TABLE 80. Years considered for the study.

TABLE 81. Exchange rates considered.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Intelligent Pigging market, research methodology
- FIG 2. Global Intelligent Pigging market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Intelligent Pigging market, key trends 2023
- FIG 5. Global Intelligent Pigging market, growth prospects 2022-2032
- FIG 6. Global Intelligent Pigging market, porters 5 force model
- FIG 7. Global Intelligent Pigging market, pestel analysis
- FIG 8. Global Intelligent Pigging market, value chain analysis
- FIG 9. Global Intelligent Pigging market by segment, 2022 & 2032 (USD Million)
- FIG 10. Global Intelligent Pigging market by segment, 2022 & 2032 (USD Million)
- FIG 11. Global Intelligent Pigging market by segment, 2022 & 2032 (USD Million)
- FIG 12. Global Intelligent Pigging market by segment, 2022 & 2032 (USD Million)
- FIG 13. Global Intelligent Pigging market by segment, 2022 & 2032 (USD Million)
- FIG 14. Global Intelligent Pigging market, regional snapshot 2022 & 2032
- FIG 15. North America Intelligent Pigging market 2022 & 2032 (USD Million)
- FIG 16. Europe Intelligent Pigging market 2022 & 2032 (USD Million)
- FIG 17. Asia pacific Intelligent Pigging market 2022 & 2032 (USD Million)
- FIG 18. Latin America Intelligent Pigging market 2022 & 2032 (USD Million)
- FIG 19. Middle East & Africa Intelligent Pigging market 2022 & 2032 (USD Million)
- FIG 20. Global Intelligent Pigging market, company market share analysis (2023)

## I would like to order

Product name: Global Intelligent Pigging Market Size study, by Technology (Magnetic Flux Leakage, Ultrasonic, Caliper), by Pipeline Type (Gas, Liquid), by Application (Metal Loss/Corrosion Detection, Geometry Measurement & Bend Detection, Crack & Leak Detection) and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/GC449E198EB8EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GC449E198EB8EN.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