

Predictive Maintenance Market By Component (Solution, Services) , By Technique (Vibration Monitoring, Electrical Testing, Oil Analysis, Ultrasonic Leak Detectors, Shock Pulse, Infrared, Others) By Deployment Mode (On-premise, Cloud) By End User (Manufacturing, Energy and Utilities,, Aerospace and Defense, Transportation and Logistics, Government, Healthcare, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

<https://marketpublishers.com/r/PD8ECAE284F5EN.html>

Date: August 2024

Pages: 309

Price: US\$ 2,601.00 (Single User License)

ID: PD8ECAE284F5EN

Abstracts

Predictive Maintenance Market

The predictive maintenance market was valued at \$10.1 billion in 2023 and is projected to reach \$162.1 billion by 2033, growing at a CAGR of 32.2% from 2024 to 2033.

Predictive maintenance is a technique that uses data & analytics strategies to proactively determine the health and performance of equipment. The technique utilizes the Internet of Things (IoT) sensors and AI algorithm to identify potential problems in a system by analyzing data in real time. Predictive maintenance approach is crucial to eliminate equipment failure, reduce unexpected breakdown periods, and enhance cost savings for stakeholders.

Advancements in machinery owing to surge in the deployment of technological innovations such as AI & ML have boosted the popularity of predictive maintenance capabilities, thereby driving the market growth. In addition, rise in the adoption of automation & smart technology in residential and industrial application augments the

development of the market. A notable trend gaining significance in the market currently is the formation of digital twins of physical equipment for predictive maintenance. The twins imitate the operating conditions of equipment, providing critical information regarding system performance in real time and enabling potential failure identification remotely.

However, the installation of predictive maintenance infrastructure is an intricate and capital-intensive procedure that hampers the growth of the market. Furthermore, concerns pertaining to unauthorized access to system information and data breaches deters several individuals & organizations from investing in the technique, restraining the market growth significantly. On the contrary, the adoption of predictive maintenance approach is witnessing a notable surge as industries are striving to enhance their productivity at low costs. This is projected to present lucrative opportunities for the market development. According to Deloitte, an inadequate maintenance approach reduces the productivity of a facility by 5-20%. Moreover, it leads to approximately 40% of the operational budget being spent on poor maintenance schedules. Hence, rise in adoption of predictive maintenance techniques indicates a bright future for the market.

Segment Review

The predictive maintenance market is segmented into component, technique, deployment mode, end user, and region. On the basis of component, it is bifurcated into solution and services. Depending on technique, it is divided into vibration monitoring, electrical testing, oil analysis, ultrasonic leak detectors, shock pulse, infrared, and others. As per deployment mode, it is classified into on-premise and cloud. By end user, it is categorized into manufacturing, energy & utilities, aerospace & defense, transportation & logistics, government, healthcare, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa.

Key Findings

On the basis of component, the solution segment held the largest share in the market for 2023.

Depending on technique, the vibration monitoring segment dominated the market share in 2023.

As per deployment mode, the cloud segment is expected to exhibit the highest market

share during the forecast period.

By end user, the energy & utilities segment is projected to be the highest shareholder by 2033.

Region wise, North America was the highest revenue generator in 2023.

Competition Analysis

The leading players operating in the global predictive maintenance market include IBM Corporation, ABB Ltd., Amazon Web Services, Inc., Google LLC, Microsoft Corporation, Hitachi, Ltd., SAP SE, SAS Institute Inc., Software AG, and Schneider Electric SE. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, to strengthen their foothold in the competitive market.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

End user preferences and pain points

Industry life cycle assessment, by region

Product Benchmarking / Product specification and applications

Product Life Cycles

Scenario Analysis & Growth Trend Comparison

Supply Chain Analysis & Vendor Margins

Technology Trend Analysis

Go To Market Strategy

Market share analysis of players by products/segments

New Product Development/ Product Matrix of Key Players

Pain Point Analysis

Regulatory Guidelines

Strategic Recommendations

Additional company profiles with specific to client's interest

Additional country or region analysis- market size and forecast

Brands Share Analysis

Criss-cross segment analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Market share analysis of players at global/region/country level

SWOT Analysis

Key Market Segments

By Component

Solution

Services

By Technique

Vibration Monitoring

Electrical Testing

Oil Analysis

Ultrasonic Leak Detectors

Shock Pulse

Infrared

Others

By Deployment Mode

On-premise

Cloud

By End User

Manufacturing

Energy and Utilities,

Aerospace and Defense

Transportation and Logistics

Government

Healthcare

Others

By Region

North America

U.S.

Canada

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

Latin America

Brazil

Argentina

Colombia

Rest of Latin America

Middle East and Africa

GCC Countries

South Africa

Rest of Middle East and Africa

Key Market Players

IBM Corporation

ABB Ltd

Amazon Web Services, Inc.

Google LLC

Microsoft Corporation

Hitachi, Ltd.

SAP SE

SAS Institute Inc.

Software AG

Schneider Electric SE

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
 - 1.4.1. Primary Research
 - 1.4.2. Secondary Research
 - 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
 - 3.2.1. Top Investment Pockets
 - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
 - 3.3.1. Bargaining Power of Suppliers
 - 3.3.2. Threat of New Entrants
 - 3.3.3. Threat of Substitutes
 - 3.3.4. Competitive Rivalry
 - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
 - 3.4.1. Drivers
 - 3.4.2. Restraints
 - 3.4.3. Opportunities

CHAPTER 4: PREDICTIVE MAINTENANCE MARKET, BY COMPONENT

- 4.1. Market Overview
 - 4.1.1 Market Size and Forecast, By Component
- 4.2. Solution
 - 4.2.1. Key Market Trends, Growth Factors and Opportunities

- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. Services
 - 4.3.1. Key Market Trends, Growth Factors and Opportunities
 - 4.3.2. Market Size and Forecast, By Region
 - 4.3.3. Market Share Analysis, By Country

CHAPTER 5: PREDICTIVE MAINTENANCE MARKET, BY TECHNIQUE

- 5.1. Market Overview
 - 5.1.1 Market Size and Forecast, By Technique
- 5.2. Vibration Monitoring
 - 5.2.1. Key Market Trends, Growth Factors and Opportunities
 - 5.2.2. Market Size and Forecast, By Region
 - 5.2.3. Market Share Analysis, By Country
- 5.3. Electrical Testing
 - 5.3.1. Key Market Trends, Growth Factors and Opportunities
 - 5.3.2. Market Size and Forecast, By Region
 - 5.3.3. Market Share Analysis, By Country
- 5.4. Oil Analysis
 - 5.4.1. Key Market Trends, Growth Factors and Opportunities
 - 5.4.2. Market Size and Forecast, By Region
 - 5.4.3. Market Share Analysis, By Country
- 5.5. Ultrasonic Leak Detectors
 - 5.5.1. Key Market Trends, Growth Factors and Opportunities
 - 5.5.2. Market Size and Forecast, By Region
 - 5.5.3. Market Share Analysis, By Country
- 5.6. Shock Pulse
 - 5.6.1. Key Market Trends, Growth Factors and Opportunities
 - 5.6.2. Market Size and Forecast, By Region
 - 5.6.3. Market Share Analysis, By Country
- 5.7. Infrared
 - 5.7.1. Key Market Trends, Growth Factors and Opportunities
 - 5.7.2. Market Size and Forecast, By Region
 - 5.7.3. Market Share Analysis, By Country
- 5.8. Others
 - 5.8.1. Key Market Trends, Growth Factors and Opportunities
 - 5.8.2. Market Size and Forecast, By Region
 - 5.8.3. Market Share Analysis, By Country

CHAPTER 6: PREDICTIVE MAINTENANCE MARKET, BY DEPLOYMENT MODE

6.1. Market Overview

6.1.1 Market Size and Forecast, By Deployment Mode

6.2. On-premise

6.2.1. Key Market Trends, Growth Factors and Opportunities

6.2.2. Market Size and Forecast, By Region

6.2.3. Market Share Analysis, By Country

6.3. Cloud

6.3.1. Key Market Trends, Growth Factors and Opportunities

6.3.2. Market Size and Forecast, By Region

6.3.3. Market Share Analysis, By Country

CHAPTER 7: PREDICTIVE MAINTENANCE MARKET, BY END USER

7.1. Market Overview

7.1.1 Market Size and Forecast, By End User

7.2. Manufacturing

7.2.1. Key Market Trends, Growth Factors and Opportunities

7.2.2. Market Size and Forecast, By Region

7.2.3. Market Share Analysis, By Country

7.3. Energy And Utilities,

7.3.1. Key Market Trends, Growth Factors and Opportunities

7.3.2. Market Size and Forecast, By Region

7.3.3. Market Share Analysis, By Country

7.4. Aerospace And Defense

7.4.1. Key Market Trends, Growth Factors and Opportunities

7.4.2. Market Size and Forecast, By Region

7.4.3. Market Share Analysis, By Country

7.5. Transportation And Logistics

7.5.1. Key Market Trends, Growth Factors and Opportunities

7.5.2. Market Size and Forecast, By Region

7.5.3. Market Share Analysis, By Country

7.6. Government

7.6.1. Key Market Trends, Growth Factors and Opportunities

7.6.2. Market Size and Forecast, By Region

7.6.3. Market Share Analysis, By Country

7.7. Healthcare

- 7.7.1. Key Market Trends, Growth Factors and Opportunities
- 7.7.2. Market Size and Forecast, By Region
- 7.7.3. Market Share Analysis, By Country
- 7.8. Others
 - 7.8.1. Key Market Trends, Growth Factors and Opportunities
 - 7.8.2. Market Size and Forecast, By Region
 - 7.8.3. Market Share Analysis, By Country

CHAPTER 8: PREDICTIVE MAINTENANCE MARKET, BY REGION

- 8.1. Market Overview
 - 8.1.1 Market Size and Forecast, By Region
- 8.2. North America
 - 8.2.1. Key Market Trends and Opportunities
 - 8.2.2. Market Size and Forecast, By Component
 - 8.2.3. Market Size and Forecast, By Technique
 - 8.2.4. Market Size and Forecast, By Deployment Mode
 - 8.2.5. Market Size and Forecast, By End User
 - 8.2.6. Market Size and Forecast, By Country
 - 8.2.7. U.S. Predictive Maintenance Market
 - 8.2.7.1. Market Size and Forecast, By Component
 - 8.2.7.2. Market Size and Forecast, By Technique
 - 8.2.7.3. Market Size and Forecast, By Deployment Mode
 - 8.2.7.4. Market Size and Forecast, By End User
 - 8.2.8. Canada Predictive Maintenance Market
 - 8.2.8.1. Market Size and Forecast, By Component
 - 8.2.8.2. Market Size and Forecast, By Technique
 - 8.2.8.3. Market Size and Forecast, By Deployment Mode
 - 8.2.8.4. Market Size and Forecast, By End User
- 8.3. Europe
 - 8.3.1. Key Market Trends and Opportunities
 - 8.3.2. Market Size and Forecast, By Component
 - 8.3.3. Market Size and Forecast, By Technique
 - 8.3.4. Market Size and Forecast, By Deployment Mode
 - 8.3.5. Market Size and Forecast, By End User
 - 8.3.6. Market Size and Forecast, By Country
 - 8.3.7. France Predictive Maintenance Market
 - 8.3.7.1. Market Size and Forecast, By Component
 - 8.3.7.2. Market Size and Forecast, By Technique

- 8.3.7.3. Market Size and Forecast, By Deployment Mode
- 8.3.7.4. Market Size and Forecast, By End User
- 8.3.8. Germany Predictive Maintenance Market
 - 8.3.8.1. Market Size and Forecast, By Component
 - 8.3.8.2. Market Size and Forecast, By Technique
 - 8.3.8.3. Market Size and Forecast, By Deployment Mode
 - 8.3.8.4. Market Size and Forecast, By End User
- 8.3.9. Italy Predictive Maintenance Market
 - 8.3.9.1. Market Size and Forecast, By Component
 - 8.3.9.2. Market Size and Forecast, By Technique
 - 8.3.9.3. Market Size and Forecast, By Deployment Mode
 - 8.3.9.4. Market Size and Forecast, By End User
- 8.3.10. Spain Predictive Maintenance Market
 - 8.3.10.1. Market Size and Forecast, By Component
 - 8.3.10.2. Market Size and Forecast, By Technique
 - 8.3.10.3. Market Size and Forecast, By Deployment Mode
 - 8.3.10.4. Market Size and Forecast, By End User
- 8.3.11. UK Predictive Maintenance Market
 - 8.3.11.1. Market Size and Forecast, By Component
 - 8.3.11.2. Market Size and Forecast, By Technique
 - 8.3.11.3. Market Size and Forecast, By Deployment Mode
 - 8.3.11.4. Market Size and Forecast, By End User
- 8.3.12. Rest Of Europe Predictive Maintenance Market
 - 8.3.12.1. Market Size and Forecast, By Component
 - 8.3.12.2. Market Size and Forecast, By Technique
 - 8.3.12.3. Market Size and Forecast, By Deployment Mode
 - 8.3.12.4. Market Size and Forecast, By End User
- 8.4. Asia-Pacific
 - 8.4.1. Key Market Trends and Opportunities
 - 8.4.2. Market Size and Forecast, By Component
 - 8.4.3. Market Size and Forecast, By Technique
 - 8.4.4. Market Size and Forecast, By Deployment Mode
 - 8.4.5. Market Size and Forecast, By End User
 - 8.4.6. Market Size and Forecast, By Country
 - 8.4.7. China Predictive Maintenance Market
 - 8.4.7.1. Market Size and Forecast, By Component
 - 8.4.7.2. Market Size and Forecast, By Technique
 - 8.4.7.3. Market Size and Forecast, By Deployment Mode
 - 8.4.7.4. Market Size and Forecast, By End User

8.4.8. Japan Predictive Maintenance Market

- 8.4.8.1. Market Size and Forecast, By Component
- 8.4.8.2. Market Size and Forecast, By Technique
- 8.4.8.3. Market Size and Forecast, By Deployment Mode
- 8.4.8.4. Market Size and Forecast, By End User

8.4.9. India Predictive Maintenance Market

- 8.4.9.1. Market Size and Forecast, By Component
- 8.4.9.2. Market Size and Forecast, By Technique
- 8.4.9.3. Market Size and Forecast, By Deployment Mode
- 8.4.9.4. Market Size and Forecast, By End User

8.4.10. South Korea Predictive Maintenance Market

- 8.4.10.1. Market Size and Forecast, By Component
- 8.4.10.2. Market Size and Forecast, By Technique
- 8.4.10.3. Market Size and Forecast, By Deployment Mode
- 8.4.10.4. Market Size and Forecast, By End User

8.4.11. Australia Predictive Maintenance Market

- 8.4.11.1. Market Size and Forecast, By Component
- 8.4.11.2. Market Size and Forecast, By Technique
- 8.4.11.3. Market Size and Forecast, By Deployment Mode
- 8.4.11.4. Market Size and Forecast, By End User

8.4.12. Rest of Asia-Pacific Predictive Maintenance Market

- 8.4.12.1. Market Size and Forecast, By Component
- 8.4.12.2. Market Size and Forecast, By Technique
- 8.4.12.3. Market Size and Forecast, By Deployment Mode
- 8.4.12.4. Market Size and Forecast, By End User

8.5. Latin America

8.5.1. Key Market Trends and Opportunities

- 8.5.2. Market Size and Forecast, By Component
- 8.5.3. Market Size and Forecast, By Technique
- 8.5.4. Market Size and Forecast, By Deployment Mode
- 8.5.5. Market Size and Forecast, By End User
- 8.5.6. Market Size and Forecast, By Country

8.5.7. Brazil Predictive Maintenance Market

- 8.5.7.1. Market Size and Forecast, By Component
- 8.5.7.2. Market Size and Forecast, By Technique
- 8.5.7.3. Market Size and Forecast, By Deployment Mode
- 8.5.7.4. Market Size and Forecast, By End User

8.5.8. Argentina Predictive Maintenance Market

- 8.5.8.1. Market Size and Forecast, By Component

- 8.5.8.2. Market Size and Forecast, By Technique
- 8.5.8.3. Market Size and Forecast, By Deployment Mode
- 8.5.8.4. Market Size and Forecast, By End User
- 8.5.9. Colombia Predictive Maintenance Market
 - 8.5.9.1. Market Size and Forecast, By Component
 - 8.5.9.2. Market Size and Forecast, By Technique
 - 8.5.9.3. Market Size and Forecast, By Deployment Mode
 - 8.5.9.4. Market Size and Forecast, By End User
- 8.5.10. REST of Latin America Predictive Maintenance Market
 - 8.5.10.1. Market Size and Forecast, By Component
 - 8.5.10.2. Market Size and Forecast, By Technique
 - 8.5.10.3. Market Size and Forecast, By Deployment Mode
 - 8.5.10.4. Market Size and Forecast, By End User
- 8.6. Middle East And Africa
 - 8.6.1. Key Market Trends and Opportunities
 - 8.6.2. Market Size and Forecast, By Component
 - 8.6.3. Market Size and Forecast, By Technique
 - 8.6.4. Market Size and Forecast, By Deployment Mode
 - 8.6.5. Market Size and Forecast, By End User
 - 8.6.6. Market Size and Forecast, By Country
 - 8.6.7. Gcc Countries Predictive Maintenance Market
 - 8.6.7.1. Market Size and Forecast, By Component
 - 8.6.7.2. Market Size and Forecast, By Technique
 - 8.6.7.3. Market Size and Forecast, By Deployment Mode
 - 8.6.7.4. Market Size and Forecast, By End User
 - 8.6.8. South Africa Predictive Maintenance Market
 - 8.6.8.1. Market Size and Forecast, By Component
 - 8.6.8.2. Market Size and Forecast, By Technique
 - 8.6.8.3. Market Size and Forecast, By Deployment Mode
 - 8.6.8.4. Market Size and Forecast, By End User
 - 8.6.9. Rest of Middle East And Africa Predictive Maintenance Market
 - 8.6.9.1. Market Size and Forecast, By Component
 - 8.6.9.2. Market Size and Forecast, By Technique
 - 8.6.9.3. Market Size and Forecast, By Deployment Mode
 - 8.6.9.4. Market Size and Forecast, By End User

CHAPTER 9: COMPETITIVE LANDSCAPE

9.1. Introduction

- 9.2. Top Winning Strategies
- 9.3. Product Mapping Of Top 10 Player
- 9.4. Competitive Dashboard
- 9.5. Competitive Heatmap
- 9.6. Top Player Positioning, 2023

CHAPTER 10: COMPANY PROFILES

- 10.1. IBM Corporation
 - 10.1.1. Company Overview
 - 10.1.2. Key Executives
 - 10.1.3. Company Snapshot
 - 10.1.4. Operating Business Segments
 - 10.1.5. Product Portfolio
 - 10.1.6. Business Performance
 - 10.1.7. Key Strategic Moves and Developments
- 10.2. ABB Ltd
 - 10.2.1. Company Overview
 - 10.2.2. Key Executives
 - 10.2.3. Company Snapshot
 - 10.2.4. Operating Business Segments
 - 10.2.5. Product Portfolio
 - 10.2.6. Business Performance
 - 10.2.7. Key Strategic Moves and Developments
- 10.3. Amazon Web Services, Inc.
 - 10.3.1. Company Overview
 - 10.3.2. Key Executives
 - 10.3.3. Company Snapshot
 - 10.3.4. Operating Business Segments
 - 10.3.5. Product Portfolio
 - 10.3.6. Business Performance
 - 10.3.7. Key Strategic Moves and Developments
- 10.4. Google LLC
 - 10.4.1. Company Overview
 - 10.4.2. Key Executives
 - 10.4.3. Company Snapshot
 - 10.4.4. Operating Business Segments
 - 10.4.5. Product Portfolio
 - 10.4.6. Business Performance

- 10.4.7. Key Strategic Moves and Developments
- 10.5. Microsoft Corporation
 - 10.5.1. Company Overview
 - 10.5.2. Key Executives
 - 10.5.3. Company Snapshot
 - 10.5.4. Operating Business Segments
 - 10.5.5. Product Portfolio
 - 10.5.6. Business Performance
 - 10.5.7. Key Strategic Moves and Developments
- 10.6. Hitachi, Ltd.
 - 10.6.1. Company Overview
 - 10.6.2. Key Executives
 - 10.6.3. Company Snapshot
 - 10.6.4. Operating Business Segments
 - 10.6.5. Product Portfolio
 - 10.6.6. Business Performance
 - 10.6.7. Key Strategic Moves and Developments
- 10.7. SAP SE
 - 10.7.1. Company Overview
 - 10.7.2. Key Executives
 - 10.7.3. Company Snapshot
 - 10.7.4. Operating Business Segments
 - 10.7.5. Product Portfolio
 - 10.7.6. Business Performance
 - 10.7.7. Key Strategic Moves and Developments
- 10.8. SAS Institute Inc.
 - 10.8.1. Company Overview
 - 10.8.2. Key Executives
 - 10.8.3. Company Snapshot
 - 10.8.4. Operating Business Segments
 - 10.8.5. Product Portfolio
 - 10.8.6. Business Performance
 - 10.8.7. Key Strategic Moves and Developments
- 10.9. Software AG
 - 10.9.1. Company Overview
 - 10.9.2. Key Executives
 - 10.9.3. Company Snapshot
 - 10.9.4. Operating Business Segments
 - 10.9.5. Product Portfolio

- 10.9.6. Business Performance
- 10.9.7. Key Strategic Moves and Developments
- 10.10. Schneider Electric SE
 - 10.10.1. Company Overview
 - 10.10.2. Key Executives
 - 10.10.3. Company Snapshot
 - 10.10.4. Operating Business Segments
 - 10.10.5. Product Portfolio
 - 10.10.6. Business Performance
 - 10.10.7. Key Strategic Moves and Developments

I would like to order

Product name: Predictive Maintenance Market By Component (Solution, Services) , By Technique (Vibration Monitoring, Electrical Testing, Oil Analysis, Ultrasonic Leak Detectors, Shock Pulse, Infrared, Others) By Deployment Mode (On-premise, Cloud) By End User (Manufacturing, Energy and Utilities,, Aerospace and Defense, Transportation and Logistics, Government, Healthcare, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

Product link: <https://marketpublishers.com/r/PD8ECAE284F5EN.html>

Price: US\$ 2,601.00 (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/PD8ECAE284F5EN.html>