

Predictive Maintenance Market by Component (Solution and Service), Technique (Vibration Monitoring, Electrical Testing, Oil Analysis, Ultrasonic Leak Detectors, Shock Pulse, Infrared, and Others), Deployment Type (Cloud and On-Premise), Stakeholder (MRO, OEM/ODM, and Technology Integrators), Industry Vertical (Manufacturing, Energy & Utilities, Aerospace & Defense, Transportation & Logistics, Government, Healthcare, and Others): Global Opportunity Analysis And Industry Forecast, 2020–2027

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Abstracts

Predictive maintenance (PdM) is a process used to monitor equipment during an operation with the purpose to identify any deterioration. It helps to plan maintenance schedules and reduce operational costs. In addition, data about previous breakdowns is used as a model when failures are likely to occur. This, in turn, helps to arbitrate a condition at the same time as sensors detect it. PdM techniques are used to identify the time when an in-service equipment requires maintenance to avoid expensive operational disruptions caused due to equipment failures. Increase in adoption of industry 4.0 and growth of the manufacturing industry drive demand for predictive maintenance solutions.

Increase in need to improve uptime of an asset and reduce cost, growth in investments of predictive maintenance, owing to adoption of IoT, and rise in need to extend lifetime of aging assets drive growth of the global predictive maintenance market. Further,

increase in need to gain insights from adoption of new technologies boosts growth of the predictive maintenance market. However, difficulty in implementation and data security concerns hamper the market growth. Furthermore, adoption of advanced technologies such as machine learning, integration of predictive maintenance with IIoT, and growth in need for remote monitoring and asset management post COVID-19 pandemic is anticipated to fuel growth of the predictive maintenance market.

The global predictive maintenance market is segmented on the basis of component, deployment, technique, stakeholder, industry vertical, and region. By component, it is bifurcated into solution and service. According to deployment, it is classified into cloud and on-premise. Further, by technique, it is divided into vibration monitoring, electrical testing, oil analysis, ultrasonic leak detectors, shock pulse, infrared, and others. By stakeholder, it is classified into MRO, OEM/ODM, and technology integrators. On the basis of industry vertical, it is classified into manufacturing, energy & utilities, aerospace & defense, transportation & logistics, government, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The report analyzes the profiles of key players operating in the market. These include IBM Corporations, Microsoft, SAP SE, General Electric, Schneider Electric, Hitachi, PTC, Software AG, SAS, Engineering Consultants Group, Inc., Expert Microsystems, Inc., SparkCognition, C3.Ai, Uptake Technologies Inc., Fiix Inc., Operational Excellence (Opex) Group Ltd, TIBCO Software Inc., Asystem, Reliability Solutions Sp. zo.o. and Sigma Industrial Precision.

KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the Global Predictive Maintenance Market along with the current & future trends to elucidate the imminent investment pockets.

Information about key drivers, restrains, and opportunities and their impact analyses on the market size is provided in the report.

Porter's five forces analysis illustrates the potency of buyers and suppliers operating in the industry.

The quantitative analysis of the Global Predictive Maintenance Market from 2019 to 2027 is provided to determine the market potential.

KEY MARKET SEGMENTS

By Components:

Solution

Service

By Technique:

Vibration Monitoring

Electrical Testing

Oil Analysis

Ultrasonic Leak Detectors

Shock Pulse

Infrared

Others

By Deployment Type:

Cloud

On-premise

By Stakeholder:

MRO

OEM/ODM

Technology Integrators

By Industry Vertical:

Manufacturing

Energy & utilities

Aerospace & Defense

Transportation & logistics

Government

Healthcare

Others

By Region:

North America

Europe

Asia-Pacific

LAMEA

KEY MARKET PLAYERS

IBM Corporations

Microsoft

SAP SE

General Electric

Schneider Electric

Hitachi

PTC

Software AG

SAS

Engineering Consultants Group, Inc.

Expert Microsystems, Inc.

SparkCognition

C3.Ai

Uptake Technologies Inc.

Fiix Inc.

Operational Excellence (Opex) Group Ltd

TIBCO Software Inc.

Asystom

Sigma Industrial Precision

Reliability Solutions Sp. zo.o.

Contents

CHAPTER 1:INTRODUCTION

- 1.1.REPORT DESCRIPTION
- 1.2.KEY MARKET SEGMENTS
- 1.3.RESEARCH METHODOLOGY
 - 1.3.1.Primary research
 - 1.3.2.Secondary research
 - 1.3.3.Analyst tools & 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 impacting factors
- 3.3.PORTER'S FIVE FORCES ANALYSIS
- 3.4.KEY PLAYER POSITIONING
- 3.5.MARKET DYNAMICS
 - 3.5.1.Drivers
 - 3.5.1.1.The need to improve uptime of equipment and maintenance cost reduction
 - 3.5.1.2.Increase in investment on predictive maintenance
 - 3.5.1.1.1.Rise in need to extend lifetime of aging assets
 - 3.5.2.Restraints
 - 3.5.2.1.Lack of skilled staff
 - 3.5.2.2.Difficult to implement
 - 3.5.2.3.Data privacy and security concerns
 - 3.5.3.Opportunity
 - 3.5.3.1.Integration of predictive maintenance with IIoT and use of machine learning
 - 3.5.3.2.Real-time condition monitoring to assist in taking prompt actions
 - 3.5.3.3.Growth in need for remote monitoring and asset management post pandemic
- 3.6.VALUE CHAIN ANALYSIS
- 3.7.ROBOTICS ADOPTION IN MANUFACTURING
- 3.8.AI IMPLEMENTATION ANALYSIS ACROSS INDUSTRY VERTICALS

3.9.QUALITATIVE INSIGHTS (DETECTION AND DIAGNOSIS)

3.9.1.Case Studies

3.9.1.1.Muller industries adopted Augury's Auguscope device for predictive maintenance

3.9.1.2.Euromicron subsidiary Telent gained IoT master agreement from Deutsche Bahn

3.9.1.3.VAALCO to adopt PIMS from INTECSEA for subsea repair campaign

3.9.1.4.Israel Electric Corporation adopted Schneider Electric enables predictive maintenance to enhance reliability

3.10.MODELS AND APPROACHES

3.10.1.Statistical Pattern Classification:

3.10.1.1.Bayesian Network

3.10.1.2.Neural networks

3.10.1.3.Linear Classification

3.10.1.4.Hybrid Models

3.10.2.Pattern Classification: Phases and Components

3.10.2.1.Training Phase

3.10.2.2.Testing Phase

3.10.3.Sub problems Pattern Classification

3.10.3.1.Feature Extraction

3.10.3.2.Over fitting

3.10.3.3.Model Selection

3.10.3.4.Prior Knowledge

3.10.3.5.Missing Features

3.10.3.6.Mereology

3.10.3.7.Segmentation

3.10.3.8.Context

3.10.3.9.Invariance's Evidence

3.10.3.10.Pooling Costs and Risks

3.10.3.11.Computational Complexity

3.11.COVID-19 IMPACT ANALYSIS ON PREDICTIVE MAINTENANCE MARKET

3.11.1.Impact on market size

3.11.2.Consumer trends, preferences, and budget impact

3.11.3.Regulatory framework

3.11.4.Economic impact

3.11.5.Key player strategies to tackle negative impact

3.11.6.Opportunity window (due to COVID outbreak)

CHAPTER 4:PREDICTIVE MAINTENANCE MARKET, BY COMPONENT

4.1.OVERVIEW

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 analysis, by country

4.3.SERVICE

4.3.1.Key market trends, growth factors, and opportunities

4.3.2.Market size and forecast, by region

4.3.3.Market analysis, by country

4.3.4.Professional Service

4.3.4.1.Market size and forecast

4.3.4.2.Support and Maintenance

4.3.4.3.Deployment and Integration

4.3.4.4.Training and Education

4.3.5.Managed Service

CHAPTER 5:PREDICTIVE MAINTENANCE MARKET, BY TECHNIQUE

5.1.OVERVIEW

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 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 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 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 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 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 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 analysis, by country

CHAPTER 6: PREDICTIVE MAINTENANCE MARKET, BY DEPLOYMENT TYPE

6.1. OVERVIEW

6.2. CLOUD

6.2.1. Key market trends, growth factors, and opportunities

6.2.2. Market size and forecast, by region

6.2.3. Market analysis, by country

6.3. ON-PREMISE

6.3.1. Key market trends, growth factors, and opportunities

6.3.2. Market size and forecast, by region

6.3.3. Market analysis, by country

CHAPTER 7: PREDICTIVE MAINTENANCE MARKET, BY STAKEHOLDER

7.1. OVERVIEW

7.2. MRO

7.2.1. Key market trends, growth factors, and opportunities

7.2.2. Market size and forecast, by region

7.2.3. Market analysis, by country

7.3. OEM/ODM

7.3.1. Key market trends, growth factors, and opportunities

7.3.2. Market size and forecast, by region

7.3.3. Market analysis, by country

7.4. TECHNOLOGY INTEGRATORS

7.4.1. Key market trends, growth factors, and opportunities

7.4.2. Market size and forecast, by region

7.4.3. Market analysis, by country

7.4.4. Pure play

7.4.5. End-to-end

CHAPTER 8: PREDICTIVE MAINTENANCE MARKET, BY INDUSTRY VERTICAL

8.1. OVERVIEW

8.2. MANUFACTURING

8.2.1. Key market trends, growth factors, and opportunities

8.2.2. Market size and forecast, by region

8.2.3. Market analysis, by country

8.3. ENERGY & UTILITIES

8.3.1. Key market trends, growth factors, and opportunities

8.3.2. Market size and forecast, by region

8.3.3. Market analysis, by country

8.4. AEROSPACE & DEFENSE

8.4.1. Key market trends, growth factors, and opportunities

8.4.2. Market size and forecast, by region

8.4.3. Market analysis, by country

8.5. TRANSPORTATION & LOGISTICS

8.5.1. Key market trends, growth factors, and opportunities

8.5.2. Market size and forecast, by region

8.5.3. Market analysis, by country

8.6. GOVERNMENT

8.6.1. Key market trends, growth factors, and opportunities

8.6.2. Market size and forecast, by region

8.6.3. Market analysis, by country

8.7. HEALTHCARE

8.7.1. Key market trends, growth factors, and opportunities

8.7.2. Market size and forecast, by region

8.7.3. Market analysis, by country

8.8. OTHERS

8.8.1. Key market trends, growth factors, and opportunities

8.8.2. Market size and forecast, by region

8.8.3. Market analysis, by country

CHAPTER 9: PREDICTIVE MAINTENANCE MARKET, BY REGION

9.1. OVERVIEW

9.2. NORTH AMERICA

9.2.1. Key market trends, growth factors, and opportunities

9.2.2. Market size and forecast, by component

9.2.3. Market size and forecast, by technique

9.2.4. Market size and forecast, by deployment type

9.2.5. Market size and forecast, by stakeholders

9.2.6. Market size and forecast, by industry vertical

9.2.7. Market analysis, by country

9.2.7.1. U.S.

9.2.7.1.1. Market size and forecast, by component

9.2.7.1.2. Market size and forecast, by technique

9.2.7.1.3. Market size and forecast, by deployment type

9.2.7.1.4. Market size and forecast, by stakeholders

9.2.7.1.5. Market size and forecast, by industry vertical

9.2.7.2. Canada

9.2.7.2.1. Market size and forecast, by component

9.2.7.2.2. Market size and forecast, by technique

9.2.7.2.3. Market size and forecast, by deployment type

9.2.7.2.4. Market size and forecast, by stakeholders

9.2.7.2.5. Market size and forecast, by industry vertical

9.3. EUROPE

9.3.1. Key market trends, growth factors, and opportunities

9.3.2. Market size and forecast, by component

9.3.3. Market size and forecast, by technique

9.3.4. Market size and forecast, by deployment type

9.3.5. Market size and forecast, by stakeholders

9.3.6. Market size and forecast, by industry vertical

9.3.7. Market analysis, by country

9.3.7.1. Germany

9.3.7.1.1. Market size and forecast, by component

9.3.7.1.2. Market size and forecast, by technique

9.3.7.1.3. Market size and forecast, by deployment type

9.3.7.1.4. Market size and forecast, by stakeholders

9.3.7.1.5. Market size and forecast, by industry vertical

9.3.7.2. France

9.3.7.2.1. Market size and forecast, by component

9.3.7.2.2. Market size and forecast, by technique

9.3.7.2.3. Market size and forecast, by deployment type

9.3.7.2.4. Market size and forecast, by stakeholders

9.3.7.2.5. Market size and forecast, by industry vertical

9.3.7.3. UK

9.3.7.3.1. Market size and forecast, by component

- 9.3.7.3.2. Market size and forecast, by technique
- 9.3.7.3.3. Market size and forecast, by deployment type
- 9.3.7.3.4. Market size and forecast, by stakeholders
- 9.3.7.3.5. Market size and forecast, by industry vertical

9.3.7.4. Italy

- 9.3.7.4.1. Market size and forecast, by component
- 9.3.7.4.2. Market size and forecast, by technique
- 9.3.7.4.3. Market size and forecast, by deployment type
- 9.3.7.4.4. Market size and forecast, by stakeholders
- 9.3.7.4.5. Market size and forecast, by industry vertical

9.3.7.5. Rest of Europe

- 9.3.7.5.1. Market size and forecast, by component
- 9.3.7.5.2. Market size and forecast, by technique
- 9.3.7.5.3. Market size and forecast, by deployment type
- 9.3.7.5.4. Market size and forecast, by stakeholders
- 9.3.7.5.5. Market size and forecast, by industry vertical

9.4. ASIA-PACIFIC

- 9.4.1. Key market trends, growth factors, and opportunities
- 9.4.2. Market size and forecast, by component
- 9.4.3. Market size and forecast, by technique
- 9.4.4. Market size and forecast, by deployment type
- 9.4.5. Market size and forecast, by stakeholders
- 9.4.6. Market size and forecast, by industry vertical
- 9.4.7. Market analysis, by country

9.4.7.1. Japan

- 9.4.7.1.1. Market size and forecast, by component
- 9.4.7.1.2. Market size and forecast, by technique
- 9.4.7.1.3. Market size and forecast, by deployment type
- 9.4.7.1.4. Market size and forecast, by stakeholders
- 9.4.7.1.5. Market size and forecast, by industry vertical

9.4.7.2. China

- 9.4.7.2.1. Market size and forecast, by component
- 9.4.7.2.2. Market size and forecast, by technique
- 9.4.7.2.3. Market size and forecast, by deployment type
- 9.4.7.2.4. Market size and forecast, by stakeholders
- 9.4.7.2.5. Market size and forecast, by industry vertical

9.4.7.3. India

- 9.4.7.3.1. Market size and forecast, by component
- 9.4.7.3.2. Market size and forecast, by technique

- 9.4.7.3.3.India size and forecast, by deployment type
- 9.4.7.3.4.Market size and forecast, by stakeholders
- 9.4.7.3.5.Market size and forecast, by industry vertical

9.4.7.4.South Korea

- 9.4.7.4.1.Market size and forecast, by component
- 9.4.7.4.2.Market size and forecast, by technique
- 9.4.7.4.3.Market size and forecast, by deployment type
- 9.4.7.4.4.Market size and forecast, by stakeholders
- 9.4.7.4.5.Market size and forecast, by industry vertical

9.4.7.5.Rest of Asia-Pacific

- 9.4.7.5.1.Market size and forecast, by component
- 9.4.7.5.2.Market size and forecast, by technique
- 9.4.7.5.3.Market size and forecast, by deployment type
- 9.4.7.5.4.Market size and forecast, by stakeholders
- 9.4.7.5.5.Market size and forecast, by industry vertical

9.5.LAMEA

- 9.5.1.Key market trends, growth factors, and opportunities
- 9.5.2.Market size and forecast, by component
- 9.5.3.Market size and forecast, by technique
- 9.5.4.Market size and forecast, by deployment type
- 9.5.5.Market size and forecast, by stakeholders
- 9.5.6.Market size and forecast, by industry vertical
- 9.5.7.Market analysis, by country

9.5.7.1.Latin America

- 9.5.7.1.1.Market size and forecast, by component
- 9.5.7.1.2.Market size and forecast, by technique
- 9.5.7.1.3.Market size and forecast, by deployment type
- 9.5.7.1.4.Market size and forecast, by stakeholders
- 9.5.7.1.5.Market size and forecast, by industry vertical

9.5.7.2.Middle East

- 9.5.7.2.1.Market size and forecast, by component
- 9.5.7.2.2.Market size and forecast, by technique
- 9.5.7.2.3.Market size and forecast, by deployment type
- 9.5.7.2.4.Market size and forecast, by stakeholders
- 9.5.7.2.5.Market size and forecast, by industry vertical

9.5.7.3.Africa

- 9.5.7.3.1.Market size and forecast, by component
- 9.5.7.3.2.Market size and forecast, by technique
- 9.5.7.3.3.Market size and forecast, by deployment type

- 9.5.7.3.4. Market size and forecast, by stakeholders
- 9.5.7.3.5. Market size and forecast, by industry vertical

CHAPTER 10:COMPETITIVE LANDSCAPE

- 10.1.COMPETITIVE DASHBOARD
- 10.2.TOP WINNING STRATEGIES
- 10.3.KEY DEVELOPMENTS
 - 10.3.1.Product development
 - 10.3.2.Partnership
 - 10.3.3.Product Launch
 - 10.3.4.Acquisition
 - 10.3.5.Agreement
 - 10.3.6.Collaboration
 - 10.3.7.Business Expansion

CHAPTER 11:COMPANY PROFILES

- 11.1.ASYSTEM
 - 11.1.1.Company overview
 - 11.1.2.Key executives
 - 11.1.3.Company snapshot
 - 11.1.4.Product portfolio
 - 11.1.5.Key strategic moves and developments
- 11.2.C3.AI, INC.
 - 11.2.1.Company overview
 - 11.2.2.Key executives
 - 11.2.3.Company snapshot
 - 11.2.4.Operating business segments
 - 11.2.5.Product portfolio
 - 11.2.6.Business performance
 - 11.2.7.Key strategic moves and developments
- 11.3.ENGINEERING CONSULTANTS GROUP, INC.
 - 11.3.1.Company overview
 - 11.3.2.Key executives
 - 11.3.3.Company snapshot
 - 11.3.4.Product portfolio
 - 11.3.5.Key strategic moves and developments
- 11.4.EXPERT MICROSYSTEMS, INC.

- 11.4.1. Company overview
- 11.4.2. Key Executives
- 11.4.3. Company snapshot
- 11.4.4. Product portfolio
- 11.5. FIIX INC.
 - 11.5.1. Company overview
 - 11.5.2. Key executives
 - 11.5.3. Company snapshot
 - 11.5.4. Product portfolio
 - 11.5.5. Key strategic moves and developments
- 11.6. OPERATIONAL EXCELLENCE (OPEX) GROUP LTD
 - 11.6.1. Company overview
 - 11.6.2. Key Executives
 - 11.6.3. Company snapshot
 - 11.6.4. Product portfolio
 - 11.6.5. Key strategic moves and developments
- 11.7. SIGMA INDUSTRIAL PRECISION
 - 11.7.1. Company overview
 - 11.7.2. Key Executives
 - 11.7.3. Company snapshot
 - 11.7.4. Product portfolio
- 11.8. SPARKCOGNITION
 - 11.8.1. Company overview
 - 11.8.2. Key Executives
 - 11.8.3. Company snapshot
 - 11.8.4. Product portfolio
 - 11.8.5. Key strategic moves and developments
- 11.9. TIBCO SOFTWARE INC
 - 11.9.1. Company overview
 - 11.9.2. Key Executives
 - 11.9.3. Company snapshot
 - 11.9.4. Product portfolio
 - 11.9.5. Key strategic moves and developments
- 11.10. UPTAKE TECHNOLOGIES INC.
 - 11.10.1. Company overview
 - 11.10.2. Key Executives
 - 11.10.3. Company snapshot
 - 11.10.4. Product portfolio
 - 11.10.5. Key strategic moves and developments

11.11.GENERAL ELECTRIC

- 11.11.1.Company overview
- 11.11.2.Key executives
- 11.11.3.Company snapshot
- 11.11.4.Operating business segments
- 11.11.5.Product portfolio
- 11.11.6.R&D expenditure
- 11.11.7.Business performance
- 11.11.8.Key strategic moves and developments

11.12.HITACHI, LTD.

- 11.12.1.Company overview
- 11.12.2.Key executives
- 11.12.3.Company snapshot
- 11.12.4.Operating business segments
- 11.12.5.Product portfolio
- 11.12.6.R&D Expenditure
- 11.12.7.Business performance
- 11.12.8.Key strategic moves and developments

11.13.INTERNATIONAL BUSINESS MACHINES CORPORATION

- 11.13.1.Company overview
- 11.13.2.Key Executives
- 11.13.3.Company snapshot
- 11.13.4.Operating business segments
- 11.13.5.Product portfolio
- 11.13.6.R&D Expenditure
- 11.13.7.Business performance
- 11.13.8.Key strategic moves and developments

11.14.MICROSOFT CORPORATION

- 11.14.1.Company overview
- 11.14.2.Key executives
- 11.14.3.Company snapshot
- 11.14.4.Operating business segments
- 11.14.5.Product portfolio
- 11.14.6.R&D Expenditure
- 11.14.7.Business performance
- 11.14.8.Key strategic moves and developments

11.15.PTC INC.

- 11.15.1.Company overview
- 11.15.2.Key Executives

- 11.15.3. Company snapshot
- 11.15.4. Operating business segments
- 11.15.5. Product portfolio
- 11.15.6. R&D Expenditure
- 11.15.7. Business performance
- 11.15.8. Key strategic moves and developments
- 11.16. SAP
 - 11.16.1. Company overview
 - 11.16.2. Key Executives
 - 11.16.3. Company snapshot
 - 11.16.4. Operating business segments
 - 11.16.5. Product portfolio
 - 11.16.6. R&D Expenditure
 - 11.16.7. Business performance
 - 11.16.8. Key strategic moves and developments
- 11.17. SAS INSTITUTE INC.
 - 11.17.1. Company overview
 - 11.17.2. Key Executives
 - 11.17.3. Company snapshot
 - 11.17.4. Product portfolio
 - 11.17.5. Key strategic moves and developments
- 11.18. SCHNEIDER ELECTRIC SE
 - 11.18.1. Company overview
 - 11.18.2. Key executives
 - 11.18.3. Company snapshot
 - 11.18.4. Operating business segments
 - 11.18.5. Product portfolio
 - 11.18.6. R&D Expenditure
 - 11.18.7. Business performance
 - 11.18.8. Key strategic moves and developments
- 11.19. SOFTWARE AG
 - 11.19.1. Company overview
 - 11.19.2. Key Executives
 - 11.19.3. Company snapshot
 - 11.19.4. Operating business segments
 - 11.19.5. Product portfolio
 - 11.19.6. R&D Expenditure
 - 11.19.7. Business performance
 - 11.19.8. Key strategic moves and developments

11.20.RELIABILITY SOLUTIONS SP. Z O.O.

11.20.1.Company overview

11.20.2.Key Executives

11.20.3.Company snapshot

11.20.4.Product portfolio

11.20.5.Key strategic moves and developments

List Of Tables

LIST OF TABLES

TABLE 01.GLOBAL PREDICTIVE MAINTENANCE MARKET, BY COMPONENT, 2019-2027 (\$MILLION)

TABLE 02.PREDICTIVE MAINTENANCE MARKET FOR SOLUTION REVENUE, BY REGION 2019-2027 (\$MILLION)

TABLE 03.PREDICTIVE MAINTENANCE MARKET REVENUE FOR SERVICE, BY REGION, 2019-2027 (\$MILLION)

TABLE 04.GLOBAL PREDICTIVE MAINTENANCE MARKET, BY SERVICE, 2019-2027 (\$MILLION)

TABLE 05.GLOBAL PREDICTIVE MAINTENANCE MARKET, BY PROFESSIONAL SERVICE, 2019-2027 (\$MILLION)

TABLE 06.GLOBAL PREDICTIVE MAINTENANCE MARKET, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 07.PREDICTIVE MAINTENANCE MARKET REVENUE FOR VIBRATION MONITORING, BY REGION 2019-2027 (\$MILLION)

TABLE 08.PREDICTIVE MAINTENANCE MARKET REVENUE FOR ELECTRICAL TESTING, BY REGION, 2019-2027 (\$MILLION)

TABLE 09.PREDICTIVE MAINTENANCE MARKET REVENUE FOR OIL ANALYSIS, BY REGION, 2019-2027 (\$MILLION)

TABLE 10.PREDICTIVE MAINTENANCE MARKET REVENUE FOR ULTRASONIC LEAK DETECTORS, BY REGION, 2019-2027 (\$MILLION)

TABLE 11.PREDICTIVE MAINTENANCE MARKET REVENUE FOR SHOCK PULSE, BY REGION, 2019-2027 (\$MILLION)

TABLE 12.PREDICTIVE MAINTENANCE MARKET REVENUE FOR INFRARED, BY REGION 2019-2027 (\$MILLION)

TABLE 13.PREDICTIVE MAINTENANCE MARKET REVENUE FOR OTHERS, BY REGION 2019-2027 (\$MILLION)

TABLE 14.GLOBAL PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 15.PREDICTIVE MAINTENANCE MARKET REVENUE FOR CLOUD, BY REGION 2019-2027 (\$MILLION)

TABLE 16.PREDICTIVE MAINTENANCE MARKET REVENUE FOR ON-PREMISE, BY REGION 2019-2027 (\$MILLION)

TABLE 17.GLOBAL PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDER, 2019-2027 (\$MILLION)

TABLE 18.PREDICTIVE MAINTENANCE MARKET REVENUE FOR MRO, BY

REGION 2019-2027 (\$MILLION)

TABLE 19.PREDICTIVE MAINTENANCE MARKET REVENUE FOR OEM/ODM, BY REGION 2019-2027 (\$MILLION)

TABLE 20.GLOBAL PREDICTIVE MAINTENANCE MARKET, BY TECHNOLOGY INTEGRATORS, 2019-2027 (\$MILLION)

TABLE 21.PREDICTIVE MAINTENANCE MARKET REVENUE FOR TECHNOLOGY INTEGRATORS, BY REGION 2019-2027 (\$MILLION)

TABLE 22.GLOBAL PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 23.PREDICTIVE MAINTENANCE MARKET REVENUE FOR MANUFACTURING, BY REGION 2019-2027 (\$MILLION)

TABLE 24.PREDICTIVE MAINTENANCE MARKET REVENUE FOR ENERGY & UTILITIES, BY REGION 2019-2027 (\$MILLION)

TABLE 25.PREDICTIVE MAINTENANCE MARKET REVENUE FOR AEROSPACE & DEFENSE, BY REGION 2019-2027 (\$MILLION)

TABLE 26.PREDICTIVE MAINTENANCE MARKET REVENUE FOR TRANSPORTATION & LOGISTICS, BY REGION 2019-2027 (\$MILLION)

TABLE 27.PREDICTIVE MAINTENANCE MARKET REVENUE FOR GOVERNMENT, BY REGION 2019-2027 (\$MILLION)

TABLE 28.PREDICTIVE MAINTENANCE MARKET REVENUE FOR HEALTHCARE, BY REGION 2019-2027 (\$MILLION)

TABLE 29.PREDICTIVE MAINTENANCE MARKET REVENUE FOR OTHERS, BY REGION 2019-2027 (\$MILLION)

TABLE 30.PREDICTIVE MAINTENANCE MARKET REVENUE, BY REGION, 2019–2027(\$MILLION)

TABLE 31.NORTH AMERICA PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 32.NORTH AMERICA PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 33.NORTH AMERICA PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 34.NORTH AMERICA PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 35.NORTH AMERICA PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 36.NORTH AMERICA PREDICTIVE MAINTENANCE MARKET REVENUE, BY COUNTRY, 2019-2027 (\$MILLION)

TABLE 37.U.S. PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 38.U.S. PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 39.U.S. PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 40.U.S. PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 41.U.S. PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 42.CANADA PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 43.CANADA PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 44.CANADA PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 45.CANADA PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 46.CANADA PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 47.EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 48.EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 49.EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 50.EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 51.EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 52.EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY COUNTRY, 2019-2027 (\$MILLION)

TABLE 53.GERMANY PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 54.GERMANY PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 55.GERMANY PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 56.GERMANY PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 57.GERMANY PREDICTIVE MAINTENANCE MARKET REVENUE, BY

INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 58.FRANCE PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 59.FRANCE PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 60.FRANCE PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 61.FRANCE PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 62.FRANCE PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 63.UK PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 64.UK PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 65.UK PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 66.UK PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 67.UK PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 68.ITALY PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 69.ITALY PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 70.ITALY PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 71.ITALY PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 72.ITALY PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 73.REST OF EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 74.REST OF EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 75.REST OF EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 76.REST OF EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 77.REST OF EUROPE PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 78.ASIA-PACIFIC PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 79.ASIA-PACIFIC PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 80.ASIA-PACIFIC PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 81.ASIA-PACIFIC PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 82.ASIA-PACIFIC PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 83.ASIA-PACIFIC PREDICTIVE MAINTENANCE MARKET REVENUE, BY COUNTRY, 2019-2027 (\$MILLION)

TABLE 84.JAPAN PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 85.JAPAN PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 86.JAPAN PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 87.JAPAN PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 88.JAPAN PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 89.CHINA PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 90.CHINA PREDICTIVE MAINTENANCE MARKET REVENUE, BY TECHNIQUE, 2019-2027 (\$MILLION)

TABLE 91.CHINA PREDICTIVE MAINTENANCE MARKET REVENUE, BY DEPLOYMENT TYPE, 2019-2027 (\$MILLION)

TABLE 92.CHINA PREDICTIVE MAINTENANCE MARKET REVENUE, BY STAKEHOLDERS, 2019-2027 (\$MILLION)

TABLE 93.CHINA PREDICTIVE MAINTENANCE MARKET REVENUE, BY INDUSTRY VERTICAL, 2019-2027 (\$MILLION)

TABLE 94.INDIA PREDICTIVE MAINTENANCE MARKET REVENUE, BY COMPONENT 2019-2027 (\$MILLION)

TABLE 95.INDIA PREDICTIVE MAINTENA

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