

Global IoT in Process Manufacturing Market – Drivers, Opportunities, Trends, and Forecasts: 2016–2022

<https://marketpublishers.com/r/GFDAB4DAC07EN.html>

Date: May 2017

Pages: 91

Price: US\$ 3,500.00 (Single User License)

ID: GFDAB4DAC07EN

Abstracts

IoT in Process Manufacturing Market – Global Drivers, Opportunities, Trends, and Forecasts to 2022

Brief:

Globally, the increasing pressure to improve production activities and performance has led the process manufacturing industry players to adopt IoT in their business units. IoT in process manufacturing allows the companies to gather more data from the production operations by connecting smart devices to their networks.

Understanding the various aspects of IoT in process manufacturing helps the manufacturers to address security issues, improves operation efficiency, reduces the operation costs, improves business operations & intelligent decision making, and helps to offer better customer service. It will enhance the smart features such as smart monitoring, production integration, remote diagnosis, and predictive maintenance. Globally, IoT players are coming up with new innovations to increase the IoT adoption rate in process manufacturing industries.

Market Analysis

According to Infoholic Research, the “IoT in process manufacturing” market will witness a CAGR of 46.3% during the forecast period 2016–2022.

The market is segmented by types, applications, technology, verticals, and regions. The increasing demand for real-time monitoring applications and customized IoT solutions are the major drivers for the market growth. In addition, rising implementation of

machine learning, big data, analytics, sensor technology, and cloud technology are supporting the IoT in process manufacturing market.

Technology Analysis

Technologies play a key role in implementing IoT in process manufacturing industry. The major technologies covered in this report are Wi-Fi, 3G, 4G, Bluetooth & BLE, and Ethernet. These technologies assist the manufacturers in machine-to-machine communications (M2M), asset tracking & inventory management, logistics maintenance, and other processes in manufacturing plant. Wi-Fi is the major technology that is being implemented by process manufacturing players and has huge market share, growing at a CAGR of 47.7% during the forecast period 2016–2022.

Services & Applications Analysis

The services covered in the report are professional services, managed services, system integrations, and others. Professional services is dominating in the service segment and its market revenue is expected to reach \$4,752.8 million by 2022.

The professional service helps to adapt to changes in business process, provides operational effectiveness by combining CRM and ERP in the production process, provides real-time visibility into the operations, and also increases the profit of the companies.

Applications

The applications covered in this report are predictive maintenance, assets tracking & inventory management, supply chain & logistics, remote monitoring & control, process automation, and others.

The process manufacturers are benefiting from the implementation of advanced IoT applications. Predictive maintenance applications are in demand as it reduces the downtime & maintenance cost, increases equipment efficiency by maximizing the equipment uptime, increases the quality of the production, and enhances the supply chain process.

Verticals Analysis

More than 40% of the manufacturers are using the data generated from the connected

devices and more than 15% of the manufacturers are planning to use the data in the next 5 years. The verticals covered in this report are FMCG, life sciences, oil & gas, pharmaceuticals, chemical industry, and others. The FMCG market is expected to grow at a CAGR of 43.3% during the forecast period 2016–2022. Life sciences and oil & gas industries hold the business opportunities for the key stakeholders. The chemical industry will be the emerging market in the next 6–7 years.

Regional Analysis

In the Americas, North America is the fastest-growing region, where a lot of technologies are emerging and being implemented by various organizations. SMEs in the region are adopting and demanding for IoT technology when compared to other regions. The IT organizations in North America are investing in R&D to innovate IoT solutions in the process manufacturing industry. The Americas is expected to be the major contributor in the IoT in process manufacturing market followed by Europe due to increase in the demand for the connected devices and adoption of advanced technologies.

Asia Pacific is expected to grow at a faster rate in the next 5 years due to increase in government initiatives for encouraging the deployment of IoT solutions, and MEA is an emerging market for key stakeholders specific to oil & gas industry.

Key Players & Competitive Analysis:

Some of the key players are PTC Inc., Cisco Systems Inc., IBM Corporation, GE, SAP SE, Intel Corp., Microsoft Corp., and others. At present, big players are acquiring small and start-up players to increase their market share. Also, they are focusing on offering customized IoT solutions to the manufacturers at competitive price to improve the operation performance and flexibility in the production process.

Benefits:

The report provides an in-depth analysis of the demand and the adoption rate of technologies, applications, services, and software of IoT technology in the process manufacturing industry.

The study covers and analyzes the “Global IoT in Process Manufacturing” market. Bringing out the complete key insights of the industry, the report aims to provide an opportunity for players to understand the latest trends, current market scenario,

government initiatives, and technologies related to the market. In addition, helps the venture capitalist in understanding the companies better and take informed decisions.

Contents

1 INDUSTRY OUTLOOK

- 1.1 Industry Overview
- 1.2 Industry Trends
- 1.3 PEST Analysis

2 REPORT OUTLINE

- 2.1 Report Scope
- 2.2 Report Summary
- 2.3 Research Methodology
- 2.4 Report Assumptions

3 MARKET SNAPSHOT

- 3.1 Total Addressable Market (TAM)
- 3.2 Segmented Addressable Market (SAM)
- 3.3 Related Markets
 - 3.3.1 IoT in Consumer Electronics
 - 3.3.2 Smart Home Market

4 MARKET OUTLOOK

- 4.1 Overview
- 4.2 Market Definition – Infoholic Research
- 4.3 Market Trends
- 4.4 Market Segmentation
- 4.5 Porter 5 (Five) Forces

5 MARKET CHARACTERISTICS

- 5.1 Ecosystem
- 5.2 Market Dynamics
 - 5.2.1 Drivers
 - 5.2.1.1 Low operational costs
 - 5.2.1.2 Improved optimization and control of operations
 - 5.2.1.3 Better customer service and support

5.2.2 Restraints

5.2.2.1 Lack of standards and regulations

5.2.2.2 Supply chain concerns

5.2.2.3 Lack of unified data models

5.2.3 Opportunities

5.2.3.1 New business models

5.2.3.2 Diversification of revenue stream

5.2.3.3 Sustainable growth in IoT space

5.2.3.4 Rising demand for the automation solutions

5.2.4 DRO – Impact Analysis

5.2.5 Key Stakeholders

6 TYPES: MARKET SIZE AND ANALYSIS

6.1 Overview

6.1.1 Market Size and Analysis

6.2 Software

6.3 Services: Market Size and Analysis

6.3.1 Overview

6.3.2 Managed Services

6.3.3 Professional Services

6.3.4 System Integration

6.3.5 Others

7 TECHNOLOGIES: MARKET SIZE AND ANALYSIS

7.1 Overview

7.1.1 Market Size and Analysis

7.2 Wi-Fi

7.3 3G

7.4 4G

7.5 Bluetooth & Bluetooth Low Energy (BLE)

7.6 Ethernet

8 APPLICATIONS: MARKET SIZE AND ANALYSIS

8.1 Overview

8.1.1 Market Size and Analysis

8.2 Predictive Maintenance

- 8.3 Asset Tracking and Inventory Management
- 8.4 Supply Chain Management & Logistics
- 8.5 Remote Monitoring and Control
- 8.6 Process Optimization
- 8.7 Others

9 REGIONS: MARKET SIZE AND ANALYSIS

- 9.1 Overview
 - 9.1.1 Market Size and Analysis
- 9.2 Americas
 - 9.2.1 US
 - 9.2.2 Canada
 - 9.2.3 Brazil
 - 9.2.4 Mexico
- 9.3 Europe
 - 9.3.1 UK
 - 9.3.2 Germany
 - 9.3.3 France
 - 9.3.4 Italy
- 9.4 Asia Pacific
 - 9.4.1 India
 - 9.4.2 China
 - 9.4.3 Japan
- 9.5 Middle East & Africa
 - 9.5.1 GCC Countries
 - 9.5.1.1 Saudi Arabia
 - 9.5.1.2 UAE and Kuwait
 - 9.5.2 Africa

10 VERTICALS: MARKET SIZE AND ANALYSIS

- 10.1 Overview
 - 10.1.1 Market Size and Analysis
- 10.2 FMCG
- 10.3 Chemical Industry
- 10.4 Pharmaceuticals
- 10.5 Oil & Gas
- 10.6 Life Sciences

10.7 Others

11 VENDOR PROFILES

11.1 PTC Inc.

11.1.1 Overview

11.1.2 Business Units

11.1.3 Geographic Revenue

11.1.4 Business Focus

11.1.5 SWOT Analysis

11.1.6 Business Strategy

11.2 Cisco Systems, Inc.

11.2.1 Overview

11.2.2 Business Units

11.2.3 Geographic Revenue

11.2.4 Business Focus

11.2.5 SWOT Analysis

11.2.6 Business Strategy

11.3 Siemens AG

11.3.1 Overview

11.3.2 Business Units

11.3.3 Geographic Revenue

11.3.4 Business Focus

11.3.5 SWOT Analysis

11.3.6 Business Strategy

11.4 ABB Ltd.

11.4.1 Overview

11.4.2 Business Units

11.4.3 Geographic Revenue

11.4.4 Business Focus

11.4.5 SWOT Analysis

11.4.6 Business Strategy

11.5 Rockwell Automation, Inc.

11.5.1 Overview

11.5.2 Business Units

11.5.3 Geographic Revenue

11.5.4 Business Focus

11.5.5 SWOT Analysis

11.5.6 Business Strategy

11.6 General Electric (GE)

11.6.1 Overview

11.6.2 Business Units

11.6.3 Geographic Revenue

11.6.4 Business Focus

11.6.5 SWOT Analysis

11.6.6 Business Strategy

12 GLOBAL GENERALIST

12.1 IBM Corporation

12.1.1 Overview

12.1.2 IBM Offerings

12.1.3 IBM in IoT in Process Manufacturing Market

12.2 SAP SE

12.2.1 Overview

12.2.2 SAP SE Offerings

12.2.3 SAP SE in IoT in Process Manufacturing Market

12.3 Microsoft Corp.

12.3.1 Overview

12.3.2 Microsoft Corp. Market

12.3.3 Microsoft Corp. Offerings

12.3.4 Microsoft Corp. in IoT in Process Manufacturing Market

12.4 Intel Corporation

12.4.1 Overview

12.4.2 Intel Offerings

12.4.3 Intel in IoT in Process Manufacturing Market

13 EXPERT'S VIEWS

Annexure

? Abbreviations

List Of Tables

LIST OF TABLES

Table 1 IOT IN PROCESS MANUFACTURING MARKET REVENUE BY TYPES, 2016–2022 (\$MILLION)

Table 2 IOT IN PROCESS MANUFACTURING MARKET GROWTH BY TYPES, 2016–2022, Y-O-Y (%)

Table 3 IOT IN PROCESS MANUFACTURING MARKET REVENUE BY TECHNOLOGIES, 2016–2022 (\$MILLION)

Table 4 IOT IN PROCESS MANUFACTURING MARKET GROWTH BY TYPES, 2016–2022, Y-O-Y (%)

Table 5 IOT IN PROCESS MANUFACTURING MARKET REVENUE BY APPLICATIONS, 2016–2022 (\$MILLION)

Table 6 IOT IN PROCESS MANUFACTURING MARKET GROWTH BY APPLICATIONS, 2016–2022, Y-O-Y (%)

Table 7 IOT IN PROCESS MANUFACTURING MARKET REVENUE BY REGIONS, 2016–2022 (\$MILLION)

Table 8 IOT IN PROCESS MANUFACTURING MARKET GROWTH BY REGIONS, 2016–2022, Y-O-Y (%)

Table 9 AMERICAS IOT IN PROCESS MANUFACTURING MARKET REVENUE BY TYPES, 2016–2022 (\$MILLION)

Table 10 AMERICAS MARKET REVENUE BY SERVICES, 2016–2022 (\$MILLION)

Table 11 AMERICAS MARKET REVENUE BY TECHNOLOGIES, 2016–2022 (\$MILLION)

Table 12 EUROPE IOT IN PROCESS MANUFACTURING MARKET REVENUE BY TYPES, 2016–2022 (\$MILLION)

Table 13 EUROPE MARKET REVENUE BY SERVICES, 2016–2022 (\$MILLION)

Table 14 EUROPE MARKET REVENUE BY TECHNOLOGIES, 2016–2022 (\$MILLION)

Table 15 ASIA PACIFIC IOT IN PROCESS MANUFACTURING MARKET REVENUE BY TYPES, 2016–2022 (\$MILLION)

Table 16 ASIA PACIFIC MARKET REVENUE BY SERVICES, 2016–2022 (\$MILLION)

Table 17 ASIA PACIFIC MARKET REVENUE BY TECHNOLOGIES, 2016–2022 (\$MILLION)

Table 18 MEA IOT IN PROCESS MANUFACTURING MARKET REVENUE BY TYPES, 2016–2022 (\$MILLION)

Table 19 MEA MARKET REVENUE BY SERVICES, 2016–2022 (\$MILLION)

Table 20 MEA MARKET REVENUE BY TECHNOLOGIES, 2016–2022 (\$MILLION)

Table 21 IOT IN PROCESS MANUFACTURING MARKET REVENUE BY VERTICALS,

2016–2022 (\$MILLION)

Table 22 IOT IN PROCESS MANUFACTURING MARKET GROWTH BY VERTICALS,
2016–2022, Y-O-Y (%)

List Of Charts

LIST OF CHARTS

Chart 1 PEST ANALYSIS OF IOT IN PROCESS MANUFACTURING MARKET

Chart 2 RESEARCH METHODOLOGY OF IOT IN PROCESS MANUFACTURING

Chart 3 GLOBAL IOT IN PROCESS MANUFACTURING MARKET REVENUE,
2016-2022 (\$BILLION)

Chart 4 PORTER 5 FORCES ON IOT IN PROCESS MANUFACTURING MARKET

Chart 5 EVOLUTION OF INDUSTRIAL INTERNET OF THINGS

Chart 6 MARKET DYNAMICS – DRIVERS, RESTRAINTS & OPPORTUNITIES

Chart 7 DRO - IMPACT ANALYSIS OF IOT IN PROCESS MANUFACTURING
MARKET

Chart 8 SOFTWARE MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 9 MANAGED SERVICES MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 10 PROFESSIONAL SERVICES MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 11 PROFESSIONAL SERVICES METHODOLOGY

Chart 12 SYSTEM INTEGRATION MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 13 SYSTEM INTEGRATED SERVICES

Chart 14 WI-FI MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 15 3G MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 16 4G MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 17 BLUETOOTH MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 18 ETHERNET MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 19 ETHERNET COMBINES AUTOMATION NETWORKS

Chart 20 PREDICTIVE MAINTENANCE MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 21 ASSET TRACKING & INVENTORY MANAGEMENT MARKET REVENUE,
2016-2022 (\$MILLION)

Chart 22 SUPPLY CHAIN MANAGEMENT & LOGISTICS MARKET REVENUE,
2016-2022 (\$MILLION)

Chart 23 REMOTE MONITORING & CONTROL MARKET REVENUE, 2016-2022
(\$MILLION)

Chart 24 PROCESS OPTIMIZATION MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 25 FMCG MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 26 CHEMICAL INDUSTRY MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 27 PHARMACEUTICAL MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 28 IOT APPLICATIONS ACROSS THE PHARMACEUTICAL INDUSTRY

Chart 29 PHARMACEUTICAL INDUSTRY DIGITAL ECOSYSTEM

Chart 30 OIL & GAS MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 31 IOT MATURITY AND BUSINESS PRIORITIES IN OIL & GAS INDUSTRY

Chart 32 LIFE SCIENCES MARKET REVENUE, 2016-2022 (\$MILLION)

Chart 33 PTC: OVERVIEW SNAPSHOT

Chart 34 PTC: BUSINESS UNITS

Chart 35 PTC: GEOGRAPHIC REVENUE

Chart 36 PTC: SWOT ANALYSIS

Chart 37 CISCO: OVERVIEW SNAPSHOT

Chart 38 CISCO: BUSINESS UNITS

Chart 39 CISCO: GEOGRAPHIC REVENUE

Chart 40 CISCO: SWOT ANALYSIS

Chart 41 SIEMENS: OVERVIEW SNAPSHOT

Chart 42 SIEMENS: BUSINESS UNITS

Chart 43 SIEMENS: GEOGRAPHIC REVENUE

Chart 44 SIEMENS: SWOT ANALYSIS

Chart 45 ABB: OVERVIEW SNAPSHOT

Chart 46 ABB: BUSINESS UNITS

Chart 47 ABB: GEOGRAPHIC REVENUE

Chart 48 ABB: SWOT ANALYSIS

Chart 49 ROCKWELL AUTOMATION: OVERVIEW SNAPSHOT

Chart 50 ROCKWELL AUTOMATION: BUSINESS UNITS

Chart 51 ROCKWELL AUTOMATION: GEOGRAPHIC REVENUE

Chart 52 ROCKWELL AUTOMATION: SWOT ANALYSIS

Chart 53 GE: OVERVIEW SNAPSHOT

Chart 54 GE: BUSINESS UNITS

Chart 55 GE: GEOGRAPHIC REVENUE

Chart 56 GE: SWOT ANALYSIS

Chart 57 IBM: OVERVIEW SNAPSHOT

Chart 58 SAP: OVERVIEW SNAPSHOT

Chart 59 MICROSOFT CORP.: OVERVIEW SNAPSHOT

Chart 60 INTEL: OVERVIEW SNAPSHOT

I would like to order

Product name: Global IoT in Process Manufacturing Market – Drivers, Opportunities, Trends, and Forecasts: 2016–2022

Product link: <https://marketpublishers.com/r/GFDAB4DAC07EN.html>

Price: US\$ 3,500.00 (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/GFDAB4DAC07EN.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

