

Asia-Pacific Process Automation & Instrumentation Market Forecast 2017-2024

<https://marketpublishers.com/r/A4BB805FA89EN.html>

Date: February 2017

Pages: 95

Price: US\$ 1,250.00 (Single User License)

ID: A4BB805FA89EN

Abstracts

KEY FINDINGS

The Asia-Pacific process automation & instrumentation market is anticipated to grow at a rapid rate during the forecast period. The market for global process automation & instrumentation is projected to grow at a CAGR of 5.37% during the forecast period of 2017-2024. The technological advancements and innovations in the field of robotics are one of the dominant drivers for the growth of process automation and instrumentation market.

MARKET INSIGHTS

The global process automation and instrumentation market is segmented into the market by technology, market by instruments, market by type of solutions, market by application and geography. The process automation and instrumentation market by technology is segmented into Distributed control system (DCS), Programmable logic controller (PLC), Supervisory control and data acquisition (SCADA), Automation and control systems (ACS), Manufacturing execution systems (MES), Safety instrumented systems (SIS) and others. The market by instruments is segmented into Field instruments, Control valves & Positioners and Communication. The market by Communication is further segregated into wired protocols and wireless protocols.

The process automation and instrumentation types of solutions market is segmented into Hardware, Software and Services. The process automation and instrumentation market by application is segmented into Oil & gas, Paper & pulp, Automotive, Chemical & petrochemical, Water & waste water treatment, Energy & utilities, Pharmaceutical, Food, tobacco, and beverages and others. The Asia-Pacific market on the basis of

geography is segmented into China, Japan, India, and Others.

The advancing labor costs and a decrease in the price of automation solutions, the need for energy efficient production processes due to rise in demand for gas and oil on a global scale and the need for software that aids detection and reduction of failures are some of the dominant drivers for the growth of process automation and instrumentation market. Inversely the factors those restrains the market growth are slow growth in developed markets, security risks and lack of skilled workforce.

Contents

1. RESEARCH SCOPE

- 1.1. STUDY GOALS
- 1.2. SCOPE OF THE MARKET STUDY
- 1.3. WHO WILL FIND THIS REPORT USEFUL?
- 1.4. STUDY AND FORECASTING YEARS

2. RESEARCH METHODOLOGY

- 2.1. SOURCES OF DATA
 - 2.1.1. SECONDARY DATA
 - 2.1.2. PRIMARY DATA
- 2.2. TOP DOWN APPROACH
- 2.3. BOTTOM-UP APPROACH
- 2.4. DATA TRIANGULATION

3. EXECUTIVE SUMMARY

- 3.1. MARKET SUMMARY
- 3.2. KEY FINDINGS

4. MARKET OVERVIEW

- 4.1. MARKET DYNAMICS
 - 4.1.1. OVERVIEW
- 4.2. DRIVERS
 - 4.2.1. ESCALATING LABOR COST & DECREASING THE PRICE OF AUTOMATION SOLUTIONS
 - 4.2.2. INCLINATION OF GROWTH TOWARDS MANUFACTURING SECTOR
 - 4.2.3. NEED FOR ENERGY-EFFICIENT PRODUCTION PROCESSES DUE TO RISING DEMAND FOR OIL & GAS IN ASIA-PACIFIC
 - 4.2.4. NEED FOR SOFTWARE TO DETECT AND REDUCE FALUIRES
- 4.3. RESTRAINTS
 - 4.3.1. LACK OF SKILLED WORKFORCE
 - 4.3.2. SLUGGISH GROWTH IN DEVELOPED MARKETS: A CAUSE OF UNREST AMONG THE WESTERN SUPPLIERS
 - 4.3.3. SECURITY RISKS

4.4. CHALLENGES

4.4.1. INTEGRATION WITH EXISTING SYSTEMS

4.4.2. BUILDING IN SECURITY IN INFORMATION MANAGEMENT

4.4.3. MANAGING DATA FOR A COMPLETE PICTURE

4.5. OPPORTUNITIES

4.5.1. INCREASING RELIABILITY AND DEMAND

4.5.2. UPGRADATION OF INDUSTRIES AND DEVELOPING COUNTRIES

5. ASIA-PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET BY TECHNOLOGY

5.1. DISTRIBUTED CONTROL SYSTEM (DCS)

5.2. PROGRAMMABLE LOGIC CONTROLLER (PLC)

5.3. SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

5.4. AUTOMATION AND CONTROL SYSTEMS (ACS)

5.5. MANUFACTURING EXECUTION SYSTEMS (MES)

5.6. SAFETY INSTRUMENTED SYSTEMS (SIS)

5.7. OTHERS

6. ASIA-PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET BY INSTRUMENTS

6.1. FIELD INSTRUMENTS

6.2. CONTROL VALVES & POSITIONERS

6.3. COMMUNICATION

6.3.1. WIRED PROTOCOLS

6.3.2. WIRELESS PROTOCOLS

6.4. OTHERS

7. ASIA-PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET BY TYPE OF SOLUTIONS

7.1. HARDWARE

7.2. SOFTWARE

7.3. SERVICES

8. ASIA-PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET BY APPLICATION

- 8.1. OIL & GAS
- 8.2. AUTOMOTIVE
- 8.3. PAPER & PULP
- 8.4. CHEMICAL & PETROCHEMICAL
- 8.5. WATER & WASTE WATER TREATMENT
- 8.6. ENERGY & UTILITIES
- 8.7. PHARMACEUTICAL
- 8.8. FOOD, TOBACCO, AND BEVERAGES
- 8.9. OTHERS

9. KEY ANALYTICS

- 9.1. VALUE CHAIN ANALYSIS
- 9.2. PORTER'S FIVE FORCES
 - 9.2.1. THREAT FROM NEW ENTRANTS
 - 9.2.2. BARGAINING POWER OF CONSUMERS
 - 9.2.3. BARGAINING POWER OF SUPPLIERS
 - 9.2.4. THREAT FROM SUBSTITUTE PRODUCTS
 - 9.2.5. COMPETITIVE RIVALRY WITHIN THE INDUSTRY
- 9.3. INVESTMENT ANALYSIS

10. ASIA-PACIFIC PROCESS AUTOMATION MARKET BY REGION

- 10.1. CHINA
- 10.2. JAPAN
- 10.3. INDIA
- 10.4. OTHERS

11. COMPETITIVE LANDSCAPE

- 11.1. VENDOR MARKET SHARE

12. COMPANY PROFILES

- 12.1. ABB LTD.
 - 12.1.1. COMPANY OVERVIEW
 - 12.1.2. PRODUCTS & SERVICES
 - 12.1.3. COMPANY FINANCIALS (IN USD MILLION)
 - 12.1.4. REVENUE BY OPERATING SEGMENT (2015)

- 12.1.5. BUSINESS ORDERS BY REGION (2015)
- 12.1.6. REVENUE BY GEOGRAPHY (2015)
- 12.1.7. RECENT DEVELOPMENTS
- 12.2. HONEYWELL INTERNATIONAL INC.
 - 12.2.1. COMPANY OVERVIEW
 - 12.2.2. PRODUCTS & SERVICES
 - 12.2.3. COMPANY FINANCIALS (IN USD MILLION)
 - 12.2.4. REVENUE BY BUSINESS SEGMENT (2015)
 - 12.2.5. RECENT DEVELOPMENTS
- 12.3. SIEMENS AG
 - 12.3.1. COMPANY OVERVIEW
 - 12.3.2. PRODUCTS & SERVICES
 - 12.3.3. COMPANY FINANCIALS (IN EUR MILLION)
 - 12.3.4. REVENUE BY SEGMENT (2015)
 - 12.3.5. REVENUE BY REGIONS (2015)
 - 12.3.6. RECENT DEVELOPMENTS
- 12.4. SCHNEIDER ELECTRIC
 - 12.4.1. COMPANY OVERVIEW
 - 12.4.2. PRODUCTS & SERVICES
 - 12.4.3. COMPANY FINANCIALS (IN EUR MILLION)
 - 12.4.4. REVENUE BY SEGMENT (2015)
 - 12.4.5. REVENUE BY GEOGRAPHY (2015)
 - 12.4.6. RECENT DEVELOPMENTS
- 12.5. MITSUBISHI ELECTRIC CORPORATION
 - 12.5.1. COMPANY OVERVIEW
 - 12.5.2. PRODUCTS & SERVICES
 - 12.5.3. COMPANY FINANCIALS (IN JPY BILLION)
 - 12.5.4. REVENUE BY OPERATING SEGMENT (2015)
 - 12.5.5. REVENUE BY GEOGRAPHY (2015)
 - 12.5.6. RECENT DEVELOPMENTS
- 12.6. ROCKWELL AUTOMATION INC
 - 12.6.1. COMPANY OVERVIEW
 - 12.6.2. PRODUCTS & SERVICES
 - 12.6.3. COMPANY FINANCIALS (IN USD MILLION)
 - 12.6.4. REVENUE BY SEGMENT (2015)
 - 12.6.5. REVENUE BY GEOGRAPHY (2015)
 - 12.6.6. RECENT DEVELOPMENTS
- 12.7. EMERSON ELECTRIC COMPANY
 - 12.7.1. COMPANY OVERVIEW

- 12.7.2. PRODUCTS & SERVICES
- 12.7.3. COMPANY FINANCIALS (IN USD MILLION)
- 12.7.4. REVENUE BY SEGMENT (2015)
- 12.7.5. REVENUE BY GEOGRAPHY (2015)
- 12.7.6. RECENT DEVELOPMENTS
- 12.8. DANAHER CORPORATION
 - 12.8.1. COMPANY OVERVIEW
 - 12.8.2. PRODUCTS & SERVICES
 - 12.8.3. COMPANY FINANCIALS (IN USD MILLION)
 - 12.8.4. REVENUE BY SEGMENT (2015)
 - 12.8.5. REVENUE BY GEOGRAPHY (2015)
 - 12.8.6. RECENT DEVELOPMENTS
- 12.9. TEXAS INSTRUMENTS
 - 12.9.1. COMPANY OVERVIEW
 - 12.9.2. PRODUCTS & SERVICES
 - 12.9.3. COMPANY FINANCIALS (IN USD MILLION)
 - 12.9.4. REVENUE BY SEGMENT (2015)
 - 12.9.5. REVENUE BY GEOGRAPHY (2015)
 - 12.9.6. RECENT DEVELOPMENTS
- 12.10. GENERAL ELECTRIC CORPORATION (GE)
 - 12.10.1. COMPANY OVERVIEW
 - 12.10.2. PRODUCTS & SERVICES
 - 12.10.3. COMPANY FINANCIALS (IN USD MILLION)
 - 12.10.4. REVENUE BY SEGMENT (2015)
 - 12.10.5. REVENUE BY GEOGRAPHY (2015)
 - 12.10.6. RECENT DEVELOPMENTS

TABLE LIST

TABLE 1 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET, BY REGION 2017-2024 (\$MILLION)

TABLE 2 ASIA PACIFIC PROCESS AUTOMATION MARKET FORECAST BY TECHNOLOGY (\$ BILLION) 2017 – 2024

TABLE 3 DCS PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) 2017 – 2024

TABLE 4 PLC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) 2017 – 2024

TABLE 5 SCADA PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) 2017 – 2024

TABLE 6 ACS PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) 2017 – 2024

TABLE 7 MES PROCESS AUTOMATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) 2017 – 2024

TABLE 8 SIS PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) 2017 – 2024

TABLE 9 OTHERS PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) 2017 – 2024

TABLE 10 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY INSTRUMENT (\$ BILLION) (2017 – 2024)

TABLE 11 FIELD INSTRUMENT PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION)(2017 – 2024)

TABLE 12 CONTROL VALVES PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 13 TYPES OF WIRED PROTOCOLS

TABLE 14 COMMUNICATION PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 15 TYPES OF WIRELESS PROTOCOLS

TABLE 16 OTHER INSTRUMENT PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 17 HARDWARE COMPONENTS

TABLE 18 HARDWARE PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 19 SOFTWARE PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 20 SERVICES PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 21 OIL & GAS PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION)(2017 – 2024)

TABLE 22 AUTOMOTIVE PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 23 PULP & PAPER INDUSTRY PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION)(2017 – 2024)

TABLE 24 CHEMICALS AND PETROCHEMICALS PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 25 WATER AND WASTE WATER TREATMENT PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION)(2017 –

2024)

TABLE 26 ENERGY AND UTILITIES PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 27 PHARMACEUTICAL PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 28 FOOD, TOBACCO AND BEVERAGES PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 29 OTHER APPLICATION PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ASIA PACIFIC (\$ BILLION) (2017 – 2024)

TABLE 30 JAPAN PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST (\$ BILLION)

FIGURES LIST

FIGURE 1 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET BY TECHNOLOGY 2016 AND 2024 (\$MILLION)

FIGURE 2 PROCESS AUTOMATION & INSTRUMENTATION BENEFITS

FIGURE 3 GLOBAL OIL DEMAND – MILLION BARRELS PER DAY – REGIONAL WISE

FIGURE 4 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY DCS TECHNOLOGY (\$ BILLION) (2017-2024)

FIGURE 5 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY PLC TECHNOLOGY (\$ BILLION) (2017 – 2024)

FIGURE 6 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY SCADA TECHNOLOGY (\$ BILLION) (2017 – 2024)

FIGURE 7 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY ACS TECHNOLOGY (\$ BILLION) (2017 – 2024)

FIGURE 8 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY MES TECHNOLOGY (\$ BILLION) (2017 – 2024)

FIGURE 9 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY SIS TECHNOLOGY (\$ BILLION) (2017 – 2024)

FIGURE 10 PROTECTIVE LAYERS WHERE SAFETY RISKS CAN BE REDUCED

FIGURE 11 ADVANTAGES OF SIS

FIGURE 12 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY OTHER TECHNOLOGIES (\$ BILLION) (2017 – 2024)

FIGURE 13 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY FIELD INSTRUMENTS (\$ BILLION) (2017 – 2024)

FIGURE 14 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION MARKET FORECAST BY CONTROL VALVES & POSITIONERS (\$ BILLION) (2017 –

2024)

FIGURE 15 COMMUNICATION PROTOCOL SEGMENTATION

FIGURE 16 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY COMMUNICATION (\$ BILLION) (2017 – 2024)

FIGURE 17 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY OTHERS (\$ BILLION) (2017 – 2024)

FIGURE 18 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY TYPE OF SOLUTIONS (\$ BILLION) (2017 – 2022)

FIGURE 19 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET BY HARDWARE COMPONENTS (\$ BILLION)

FIGURE 20 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET BY SOFTWARE (\$ BILLION)

FIGURE 21 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET BY SERVICES (\$ BILLION)

FIGURE 22 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY APPLICATION (\$ BILLION)

FIGURE 23 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY OIL & GAS INDUSTRY (\$ BILLION)

FIGURE 24 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY AUTOMOTIVE INDUSTRY (\$ BILLION)

FIGURE 25 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY PAPER & PULP INDUSTRY (\$ BILLION)

FIGURE 26 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY CHEMICAL & PETROCHEMICAL (\$ BILLION)

FIGURE 27 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY WATER & WASTE WATER TREATMENT INDUSTRY (\$
BILLION)

FIGURE 28 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY ENERGY & UTILITIES INDUSTRY (\$ BILLION)

FIGURE 29 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY PHARMACEUTICAL INDUSTRY (\$ BILLION)

FIGURE 30 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY FOOD, TOBACCO, AND BEVERAGES INDUSTRY (\$
BILLION)

FIGURE 31 ASIA PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY OTHERS INDUSTRY (\$ BILLION)

FIGURE 32 ASIA-PACIFIC PROCESS AUTOMATION & INSTRUMENTATION
MARKET FORECAST BY TECHNOLOGY 2016 & 2024 (\$ BILLION)

FIGURE 33 ASIA-PACIFIC PROCESS AUTOMATION & INSTRUMENTATION

MARKET FORECAST BY APPLICATIONS 2016 & 2024 (\$ BILLION)

FIGURE 34 ASIA-PACIFIC PROCESS AUTOMATION & INSTRUMENTATION

MARKET FORECAST BY INSTRUMENTS 2016 & 2024 (\$ BILLION)

FIGURE 35 ASIA-PACIFIC PROCESS AUTOMATION & INSTRUMENTATION

MARKET FORECAST BY SOLUTIONS 2016 & 2024 (\$ BILLION)

FIGURE 36 CHINA PROCESS AUTOMATION & INSTRUMENTATION MARKET
FORECAST (\$ BILLION)

FIGURE 37 DEMAND BY PRODUCT – CHINA – THOUSAND BARRELS PER DAY

FIGURE 38 INDIA PROCESS AUTOMATION & INSTRUMENTATION MARKET
FORECAST (\$ BILLION)

FIGURE 39 OTHERS PROCESS AUTOMATION & INSTRUMENTATION MARKET
FORECAST (\$ BILLION)

I would like to order

Product name: Asia-Pacific Process Automation & Instrumentation Market Forecast 2017-2024

Product link: <https://marketpublishers.com/r/A4BB805FA89EN.html>

Price: US\$ 1,250.00 (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/A4BB805FA89EN.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