

Indian Industrial Automation Market: Drivers, Restraints, Opportunities, Trends, and Forecasts to 2023

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Abstracts

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Overview

Industrial automation refers to the use of intelligent machines and programmable logics to automate several industrial processes and to minimize human intervention. The automation improves the efficiency and quality of the output and maintains consistency throughout the micro and macro-level processes across the industries. It has become essential for companies to maximize their productivity through automation owing to the changing demands of the end-users.

Market analysis

Indian industries are improving their automation capabilities bringing it at par with global standards due to the pressing need for operational excellence, improved productivity, quality and to maintain six sigma standards in the production processes. This is further supplemented by macroeconomic factors such as the burgeoning middle-class population, rising disposable incomes, urbanization, and focused government initiatives, which are expected to have a positive impact on the growth of the manufacturing industry.

The Indian Industrial Automation Market is still evolving and its prospects are good due to increasing Foreign Direct Investments (FDI) and sustained growth of the manufacturing sector. The country is expected to strengthen its manufacturing sector

from its current share of 16.57% of the GDP in FY2017 to 25%–30% of the GDP by FY2030. According to Infoholic Research, the Industrial Automation Market in India will witness a CAGR of 11.6% during the forecast period 2017–2023.

Types of automation

The Indian industrial automation market is segmented by three automation types, namely process automation, factory automation, and electric automation. This market is driven by the increasing investments in the secondary manufacturing sector owing to encouraging government policies and changing consumer behaviour. The country aims to improve its infrastructure capabilities to attract more global investors and to boost its manufacturing capabilities. Several Indian industries are upgrading their existing automation technologies as they reduce production time and promote safety and efficiency in a manufacturing or a processing unit.

Automation technologies

The technology segment includes distributed control systems (DCS), supervisory control and data acquisition (SCADA), programmable logic control (PLC), manufacturing execution system (MES), human machine interface (HMI), and others. It is estimated that SCADA and MES will experience high demand across various industries owing to their wide technological capabilities.

End-users

The end-users segment covers the automotive industry, power, oil & gas, food processing, pharmaceutical, chemicals, and others. The power, oil & gas, and automotive industries are at the forefront for adoption of different automation technologies followed by the pharmaceutical sector owing to the need to optimize plant operations, maintain safety and security and to increase profit margins. The other industries, such as cement, mining, and metals, are adopting these technologies at a rapid rate.

Key players

The report contains an in-depth analysis of vendor profiles which includes financial health, business units, key business priorities, SWOT, strategy, and views and competitive landscape. The vendors covered in this report are Siemens Ltd., Schneider Electric, ABB Ltd., Rockwell Automation, and Honeywell International Inc. The report

also includes a list of companies offering innovative industrial automation products, namely GreyOrange, Arkrobot, and Gixtronix Technologies.

Benefits

The study covers and analyses the Indian Industrial Automation 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, it helps the venture capitalists 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
- 3.2 Segmented Addressable Market

4 MARKET OUTLOOK

- 4.1 Overview
- 4.2 Porter 5 (Five) Forces

5 MARKET CHARACTERISTICS

- 5.1 Evolution
- 5.2 Ecosystem
- 5.3 Market Segmentation
- 5.4 Market Dynamics
 - 5.4.1 Drivers
 - 5.4.1.1 Rapid adoption of digital technologies
 - 5.4.1.2 Reduced production cost
 - 5.4.1.3 To stay competitive
 - 5.4.1.4 Improved quality and reliability
 - 5.4.2 Restraints
 - 5.4.2.1 Requirement of high initial capital expenditure
 - 5.4.2.2 Worker displacement

5.4.2.3 Lack of awareness

5.4.3 Opportunities

5.4.3.1 Establishment of smart factories

5.4.3.2 Cloud computing in industrial automation

5.5 DRO – Impact Analysis

5.6 Market Trends

6 INDUSTRIAL AUTOMATION TYPES: MARKET SIZE AND ANALYSIS

6.1 Overview

6.2 Process Automation

6.3 Factory Automation

6.4 Electrical Automation

7 TECHNOLOGY: MARKET SIZE AND ANALYSIS

7.1 Overview

7.2 Distributed Control Systems

7.3 Supervisory Control and Data Acquisition

7.4 Programmable Logic Control

7.5 Manufacturing Execution System

7.6 Human–Machine Interface

7.7 Others

8 VERTICALS: MARKET SIZE AND ANALYSIS

8.1 Overview

8.2 Automotive

8.3 Oil & Gas

8.4 Power

8.5 Food Processing

8.6 Pharmaceutical

8.7 Chemical

8.8 Others

9 VENDORS PROFILE

9.1 Siemens Ltd.

9.1.1 Overview

- 9.1.2 Business Units
- 9.1.3 Geographic Revenue
- 9.1.4 Business Focus
- 9.1.5 SWOT Analysis
- 9.1.6 Business Strategies
- 9.2 Schneider Electric (S.E.)
 - 9.2.1 Overview
 - 9.2.2 Business Segments
 - 9.2.3 Geographic Revenue
 - 9.2.4 Business Focus
 - 9.2.5 SWOT Analysis
 - 9.2.6 Business Strategies
- 9.3 ABB Ltd.
 - 9.3.1 Overview
 - 9.3.2 Business Segments
 - 9.3.3 Geographic Revenue
 - 9.3.4 Business Focus
 - 9.3.5 SWOT Analysis
 - 9.3.6 Business Strategies
- 9.4 Rockwell Automation
 - 9.4.1 Overview
 - 9.4.2 Business Segments
 - 9.4.3 Geographic Revenue
 - 9.4.4 Business Focus
 - 9.4.5 SWOT Analysis
 - 9.4.6 Business Strategies
- 9.5 Honeywell International Inc.
 - 9.5.1 Overview
 - 9.5.2 Business Units
 - 9.5.3 Geographic Revenue
 - 9.5.4 Business Focus
 - 9.5.5 SWOT Analysis
 - 9.5.6 Business Strategies

10 COMPANIES TO WATCH FOR

- 10.1 GreyOrange
 - 10.1.1 Overview
 - 10.1.2 Product Offering

10.2 Arkrobot (iFuture Robotics)

10.2.1 Overview

10.2.2 Product Offering

10.3 Gixtronix Technologies

10.3.1 Overview

10.3.2 Product Offering

11 COMPETITIVE LANDSCAPE

11.1 Competitor Comparison Analysis

Annexure

Abbreviations

List Of Tables

LIST OF TABLES

Table 1 INDIAN INDUSTRIAL AUTOMATION MARKET REVENUE BY AUTOMATION TYPES, 2017–2023 (\$BILLION)

Table 2 INDIAN INDUSTRIAL AUTOMATION MARKET GROWTH BY AUTOMATION TYPES, 2017–2023 (Y-O-Y) %

Table 3 INDIAN INDUSTRIAL AUTOMATION MARKET REVENUE BY TECHNOLOGIES, 2017–2023 (\$MILLION)

Table 4 INDIAN INDUSTRIAL AUTOMATION MARKET GROWTH BY TECHNOLOGIES, 2017–2023 (Y-O-Y) %

Table 5 INDIAN INDUSTRIAL AUTOMATION MARKET REVENUE BY VERTICALS, 2017–2023 (\$MILLION)

Table 6 INDIAN INDUSTRIAL AUTOMATION MARKET GROWTH BY VERTICALS, 2017–2023 (Y-O-Y) %

Table 7 AUTOMOTIVE MARKET REVENUE BY TECHNOLOGIES, 2017–2023 (\$MILLION)

Table 8 AUTOMOTIVE MARKET GROWTH BY TECHNOLOGIES, 2017–2023 (Y-O-Y) %

Table 9 OIL & GAS MARKET REVENUE BY TECHNOLOGIES, 2017–2023 (\$MILLION)

Table 10 OIL & GAS MARKET GROWTH BY TECHNOLOGIES, 2017–2023 (Y-O-Y) %

Table 11 POWER MARKET REVENUE BY TECHNOLOGIES, 2017–2023 (\$MILLION)

Table 12 POWER MARKET GROWTH BY TECHNOLOGIES, 2017–2023 (Y-O-Y) %

Table 13 FOOD PROCESSING MARKET REVENUE BY TECHNOLOGIES, 2017–2023 (\$MILLION)

Table 14 FOOD PROCESSING MARKET GROWTH BY TECHNOLOGIES, 2017–2023 (Y-O-Y) %

Table 15 PHARMACEUTICAL MARKET REVENUE BY TECHNOLOGIES, 2017–2023 (\$MILLION)

Table 16 PHARMACEUTICAL MARKET GROWTH BY TECHNOLOGIES, 2017–2023 (Y-O-Y) %

Table 17 CHEMICAL MARKET REVENUE BY TECHNOLOGIES, 2017–2023 (\$MILLION)

Table 18 CHEMICAL MARKET GROWTH BY TECHNOLOGIES, 2017–2023 (Y-O-Y) %

Table 19 OTHERS MARKET REVENUE BY TECHNOLOGIES, 2017–2023 (\$MILLION)

Table 20 OTHERS MARKET GROWTH BY TECHNOLOGIES, 2017–2023 (Y-O-Y) %

List Of Charts

LIST OF CHARTS

Chart 1 PEST ANALYSIS OF INDIAN INDUSTRIAL AUTOMATION MARKET

Chart 2 RESEARCH METHODOLOGY OF INDIAN INDUSTRIAL AUTOMATION MARKET

Chart 3 GLOBAL AUTOMATION MARKET REVENUE, 2017–2023 (\$BILLION)

Chart 4 INDIAN INDUSTRIAL AUTOMATION MARKET REVENUE, 2017–2023 (\$BILLION)

Chart 5 PORTER 5 FORCES – INDIAN INDUSTRIAL AUTOMATION MARKET

Chart 6 EVOLUTION OF INDIAN INDUSTRIAL AUTOMATION MARKET

Chart 7 ECOSYSTEM OF INDIAN INDUSTRIAL AUTOMATION MARKET

Chart 8 INDIAN INDUSTRIAL AUTOMATION MARKET SEGMENTATION

Chart 9 MARKET DYNAMICS – DRIVERS, RESTRAINTS & OPPORTUNITIES

Chart 10 DRO – IMPACT ANALYSIS OF INDIAN INDUSTRIAL AUTOMATION MARKET

Chart 11 PROCESS AUTOMATION MARKET REVENUE, 2017–2023 (\$BILLION)

Chart 12 FACTORY AUTOMATION MARKET REVENUE, 2017–2023 (\$BILLION)

Chart 13 ELECTRICAL AUTOMATION MARKET REVENUE, 2017–2023 (\$BILLION)

Chart 14 DISTRIBUTED CONTROL SYSTEMS MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 15 SUPERVISORY CONTROL AND DATA ACQUISITION MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 16 PROGRAMMABLE LOGIC CONTROL MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 17 MANUFACTURING EXECUTION SYSTEM MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 18 HUMAN–MACHINE INTERFACE MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 19 OTHERS MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 20 TOTAL PRODUCTION OF AUTOMOBILES IN INDIA, FY2007–FY2017 (MILLION UNITS)

Chart 21 AUTOMOTIVE MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 22 OIL & GAS MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 23 POWER MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 24 FOOD PROCESSING MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 25 PHARMACEUTICAL MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 26 CHEMICAL MARKET REVENUE, 2017–2023 (\$MILLION)

Chart 27 OTHERS MARKET REVENUE, 2017–2023 (\$MILLION)
Chart 28 SIEMENS: MARKET OUTLOOK
Chart 29 SIEMENS: BUSINESS UNITS
Chart 30 SIEMENS: GEOGRAPHIC REVENUE
Chart 31 SIEMENS: SWOT ANALYSIS
Chart 32 SCHNEIDER ELECTRIC: MARKET OUTLOOK
Chart 33 SCHNEIDER ELECTRIC: BUSINESS SEGMENTS
Chart 34 SCHNEIDER ELECTRIC: GEOGRAPHIC REVENUE
Chart 35 SCHNEIDER ELECTRIC: SWOT ANALYSIS
Chart 36 ABB LTD.: MARKET OUTLOOK
Chart 37 ABB LTD.: BUSINESS SEGMENTS
Chart 38 ABB LTD.: GEOGRAPHIC REVENUE
Chart 39 ABB LTD.: SWOT ANALYSIS
Chart 40 ROCKWELL AUTOMATION: MARKET OUTLOOK
Chart 41 ROCKWELL AUTOMATION: BUSINESS SEGMENTS
Chart 42 ROCKWELL AUTOMATION: GEOGRAPHIC REVENUE
Chart 43 ROCKWELL AUTOMATION: SWOT ANALYSIS
Chart 44 HONEYWELL INTERNATIONAL INC.: OVERVIEW SNAPSHOT
Chart 45 HONEYWELL INTERNATIONAL INC.: BUSINESS UNITS
Chart 46 HONEYWELL INTERNATIONAL INC.: GEOGRAPHIC REVENUE
Chart 47 HONEYWELL INTERNATIONAL INC.: SWOT ANALYSIS
Chart 48 INDIAN INDUSTRIAL AUTOMATION TECHNOLOGIES: COMPETITIVE LANDSCAPE

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