

Industrial Ethernet Market with Recession Impact Analysis by Offering (Hardware, Software, Services), Protocol (PROFINET, EtherNet/IP), End-use Industry (Automotive & Transportation, Electrical & Electronics) and Region- Global Forecast to 2028

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Abstracts

The industrial ethernet market is projected to grow from USD 11.0 billion in 2023 to USD 15.8 billion by 2028; it is expected to register a CAGR of 7.5% during the forecast period.

Services in offering segment to register the highest CAGR of industrial ethernet market during the forecast period

Service providers provide customized network design and other related services, such as long-term maintenance contracts of installations, to cater to clients with specific requirements. They also provide remote support services for networks and can solve or manage network problems remotely. Companies such as Siemens AG (Germany) and General Electric (US) provide a separate services portfolio for this market.

“POWERLINK to grow with significant CAGR during the forecast period.”

Ethernet POWERLINK is a real-time protocol for standard Ethernet. POWERLINK was initially developed by B&R (Austria). Ethernet POWERLINK is implemented on top of IEEE 802.3 and, therefore, allows a free selection of network topology and to cross-connect between different topologies. It uses a polling and time-slicing mechanism for real-time data exchange. A POWERLINK master or managed node controls the time synchronization through packet jitter in the range of tens of nanoseconds. Such a system is suitable for all kinds of automation systems ranging from PLC-to-PLC

communication and visualization down to motion and I/O control. Barriers to implementing POWERLINK are quite low due to the availability of open-source stack software. In addition, CANopen is part of the standard that allows for easy system upgrades from previous Fieldbus protocols.

Siemens (Germany), Rockwell Automation (US), Cisco Systems (US), Belden (US), Omron (Japan), Moxa (Taiwan), Huawei Technologies (Sweden), SICK (Germany), Schneider Electric (France), and ABB (Switzerland) are the key players in the industrial ethernet market. These top players have strong portfolios of products and services and presence in both mature and emerging markets.

Research Coverage

The report defines, describes, and forecasts the industrial ethernet market based on offering, protocol, end-use vertical, and geography. It provides detailed information regarding factors such as drivers, restraints, opportunities, and challenges influencing the growth of the industrial ethernet market. It also analyzes competitive developments such as product launches, acquisitions, expansions, contracts, partnerships, and developments carried out by the key players to grow in the market.

Reasons to Buy this Report

The report will help leaders/new entrants in the industrial ethernet market in the following ways:

1. The report comprehensively segments the industrial ethernet market and provides the closest market size estimation for all subsegments across regions.
2. The report will help stakeholders understand the pulse of the market and provide them with information on key drivers, restraints, challenges, and opportunities pertaining to the industrial ethernet market.
3. The report will help stakeholders understand their competitors better and gain insights to improve their position in the industrial ethernet market. The competitive landscape section describes the competitor ecosystem.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 INCLUSIONS AND EXCLUSIONS

1.4 STUDY SCOPE

1.4.1 MARKETS COVERED

FIGURE 1 INDUSTRIAL ETHERNET MARKET SEGMENTATION

1.4.2 REGIONAL SCOPE

1.4.3 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

1.6 LIMITATIONS

1.7 STAKEHOLDERS

1.8 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 PROCESS FLOW: INDUSTRIAL ETHERNET MARKET SIZE ESTIMATION

FIGURE 3 INDUSTRIAL ETHERNET MARKET: RESEARCH DESIGN

2.1.1 SECONDARY AND PRIMARY RESEARCH

2.1.2 SECONDARY DATA

2.1.2.1 Secondary sources

2.1.2.2 List of key secondary sources

2.1.3 PRIMARY DATA

2.1.3.1 Primary sources

2.1.3.2 Key industry insights

2.1.3.3 Primary interviews with experts

2.1.3.4 List of key primary respondents

2.1.3.5 Breakdown of primaries

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Demand-side analysis

FIGURE 4 INDUSTRIAL ETHERNET MARKET: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach for deriving market size by top-down analysis

FIGURE 5 INDUSTRIAL ETHERNET MARKET: TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 6 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

2.5 RISK ASSESSMENT

TABLE 1 ANALYSIS OF RISK FACTORS

3 EXECUTIVE SUMMARY

3.1 INDUSTRIAL ETHERNET MARKET: RECESSION IMPACT

FIGURE 7 RECESSION IMPACT: GDP GROWTH PROJECTION TILL 2023 FOR MAJOR ECONOMIES

FIGURE 8 RECESSION IMPACT ON INDUSTRIAL ETHERNET MARKET, 2018–2028 (USD MILLION)

FIGURE 9 BY OFFERING, HARDWARE SEGMENT TO HOLD SECOND-LARGEST MARKET SHARE FROM 2023 TO 2028

FIGURE 10 BY PROTOCOL, ETHERNET/IP SEGMENT TO LEAD MARKET FROM 2023 TO 2028

FIGURE 11 BY END-USE INDUSTRY, WATER & WASTEWATER SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 12 ASIA PACIFIC ACCOUNTED FOR LARGEST MARKET SHARE IN 2022

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE GROWTH OPPORTUNITIES FOR PLAYERS IN INDUSTRIAL ETHERNET MARKET

FIGURE 13 GROWING NEED FOR SCALABLE, FAST, RELIABLE, AND INTEROPERABLE COMMUNICATION PROTOCOLS TO BOOST MARKET GROWTH

4.2 INDUSTRIAL ETHERNET MARKET, BY OFFERING

FIGURE 14 SERVICES SEGMENT TO REGISTER HIGHEST CAGR FROM 2023 TO 2028

4.3 INDUSTRIAL ETHERNET MARKET, BY PROTOCOL

FIGURE 15 ETHERNET/IP PROTOCOL SEGMENT TO LEAD MARKET FROM 2023 TO 2028

4.4 INDUSTRIAL ETHERNET MARKET, BY END-USE INDUSTRY

FIGURE 16 ELECTRICAL & ELECTRONICS SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE BY 2028

4.5 REGIONAL SNAPSHOT OF INDUSTRIAL ETHERNET MARKET

FIGURE 17 INDUSTRIAL ETHERNET MARKET IN CHINA TO REGISTER HIGHEST CAGR FROM 2023 TO 2028

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 18 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES FOR INDUSTRIAL ETHERNET MARKET

5.2.1 DRIVERS

5.2.1.1 Growing need for scalable, fast, reliable, and interoperable communication protocols

5.2.1.2 Increasing initiatives by governments of developing countries to promote adoption of industrial automation

FIGURE 19 ANNUAL INSTALLATION OF INDUSTRIAL ROBOTS, BY CONTINENTS, 2021 (THOUSAND UNITS)

5.2.1.3 Growing popularity of smart automobiles

FIGURE 20 IMPACT ANALYSIS OF DRIVERS ON INDUSTRIAL ETHERNET MARKET

5.2.2 RESTRAINTS

5.2.2.1 Absence of standardization in industrial communication protocols and interfaces

FIGURE 21 IMPACT ANALYSIS OF RESTRAINTS ON INDUSTRIAL ETHERNET MARKET

5.2.3 OPPORTUNITIES

5.2.3.1 Emergence of 5G

FIGURE 22 IMPACT ANALYSIS OF OPPORTUNITIES ON INDUSTRIAL ETHERNET MARKET

5.2.4 CHALLENGES

5.2.4.1 Cybersecurity threats

5.2.4.2 Harsh field site conditions—high-voltage transients, severe shocks and vibrations, and extremely high temperatures

FIGURE 23 IMPACT ANALYSIS OF CHALLENGES ON INDUSTRIAL ETHERNET MARKET

5.3 VALUE CHAIN ANALYSIS

FIGURE 24 VALUE CHAIN ANALYSIS OF INDUSTRIAL ETHERNET MARKET

5.4 KEY STAGES IN INDUSTRIAL ETHERNET VALUE CHAIN

5.4.1 RESEARCH AND DEVELOPMENT

5.4.2 COMPONENT MANUFACTURING

5.4.3 SYSTEM INTEGRATION

5.4.4 MARKETING AND SALES

5.4.5 POST-SALES SERVICES

5.5 USE CASES ANALYSIS

5.5.1 EDGE SOLUTIONS OF ADVANTECH TO ENABLE REAL-TIME OIL TANKER MONITORING

5.5.2 PULP MOLDING EQUIPMENT MANUFACTURER IMPLEMENTED ROCKWELL AUTOMATION'S SOLUTIONS

5.5.3 OSSID IMPROVES MACHINERY RELIABILITY AND PERFORMANCE USING MITSUBISHI ELECTRIC'S AUTOMATION PORTFOLIO

5.6 TARIFF REGULATORY BODIES

5.6.1 ETHERCAT TECHNOLOGY GROUP (ETG)

5.6.2 INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC)

5.6.3 IEEE

5.6.4 INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)

5.6.5 PROFIBUS USER ORGANIZATION (PNO)

5.6.6 IEEE 802.3CG

5.6.6.1 10BASE – t1s

5.6.6.2 10base – t1l

5.6.7 ADVANTECH PROVIDED WISE-PAAS END-TO-CLOUD IOT TOTAL SOLUTION FOR REMOTE VIDEO SURVEILLANCE AND DEVICE STATUS MONITORING AND CONTROL FOR AUTOMOTIVE INSPECTION CENTER

5.6.8 OPTIMA CONTROL SOLUTIONS (UK) AND ROCKWELL AUTOMATION (US) PROVIDED AUTOMATED MONITORING SOLUTION TO BISCUIT MANUFACTURER

5.6.9 ADVANTECH (TAIWAN) PROVIDED PLANT MONITORING SOLUTION FOR WIND POWER PLANT

6 INDUSTRIAL ETHERNET MARKET, BY OFFERING

6.1 INTRODUCTION

FIGURE 25 INDUSTRIAL ETHERNET MARKET, BY OFFERING

FIGURE 26 SERVICES SEGMENT TO WITNESS HIGHEST CAGR DURING FORECAST PERIOD

TABLE 2 INDUSTRIAL ETHERNET MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 3 INDUSTRIAL ETHERNET MARKET, BY OFFERING, 2023–2028 (USD MILLION)

6.2 HARDWARE

TABLE 4 INDUSTRIAL ETHERNET MARKET, BY HARDWARE, 2018–2022 (USD MILLION)

TABLE 5 INDUSTRIAL ETHERNET MARKET, BY HARDWARE, 2023–2028 (USD MILLION)

TABLE 6 INDUSTRIAL ETHERNET MARKET, BY HARDWARE,
2018–2022(THOUSAND UNITS)

TABLE 7 INDUSTRIAL ETHERNET MARKET, BY HARDWARE, 2023–2028
(THOUSAND UNITS)

6.2.1 SWITCHES

6.2.1.1 Switches provide high security and durability in mission-critical environments

6.2.2 GATEWAYS

6.2.2.1 Gateways help in data transfer between sensor nodes and other configured devices using different protocols

6.2.3 ROUTERS

6.2.3.1 Routers help transfer information from one network to another

6.2.4 CONTROLLERS AND CONNECTORS

6.2.4.1 Controllers help decide priority of event processing to ensure proper functioning of overall system

6.2.5 COMMUNICATION INTERFACES AND CONVERTERS

6.2.5.1 Converters facilitate connection between two dissimilar media types

6.2.6 POWER SUPPLY DEVICES

6.2.6.1 Power management integrated circuits (PMICs) provide high level of performance and integration solutions for various industrial communication applications

6.2.7 OTHERS

6.3 SOFTWARE

6.3.1 NETWORKING MANAGEMENT SOFTWARE OPTIMIZES NETWORK EFFICIENCY AND MINIMIZES TOTAL COST OF OWNERSHIP

6.4 SERVICES

6.4.1 INDUSTRIAL COMMUNICATION SERVICES MAINLY INCLUDE INSTALLATION, NETWORK SECURITY, AND NETWORK MONITORING SERVICES

7 INDUSTRIAL ETHERNET MARKET, BY PROTOCOL

7.1 INTRODUCTION

FIGURE 27 INDUSTRIAL ETHERNET MARKET, BY PROTOCOL

FIGURE 28 ETHERCAT SEGMENT TO WITNESS HIGHEST CAGR DURING FORECAST PERIOD

TABLE 8 INDUSTRIAL ETHERNET MARKET, BY PROTOCOL, 2018–2022 (USD MILLION)

TABLE 9 INDUSTRIAL ETHERNET MARKET, BY PROTOCOL, 2023–2028 (USD MILLION)

7.2 PROFINET

7.2.1 PROFINET SUPPLEMENTS EXISTING PROFIBUS TECHNOLOGIES BY

PROVIDING FAST DATA COMMUNICATION

7.3 ETHERNET/IP

7.3.1 ETHERNET/IP WIDELY USED IN HYBRID AND PROCESS INDUSTRIES

7.4 ETHERCAT

7.4.1 ETHERCAT SPECIFICALLY DESIGNED FOR FAST CONTROL DEMAND APPLICATIONS

7.5 MODBUS-TCP

7.5.1 MODBUS-TCP OFFERS HIGH LEVEL OF INTEROPERABILITY FOR INDUSTRIAL COMMUNICATION NETWORK DEVICES

7.6 POWERLINK

7.6.1 ETHERNET POWERLINK ENABLES TRANSFER OF TIME-CRITICAL DATA IN SHORT DURATION

7.7 SERCOS III

7.7.1 SERCOS III SUITABLE FOR COMMUNICATIONS IN PROCESS INDUSTRIES AS IT ENSURES LOW LATENCY IN DATA TRANSFER

7.8 CC-LINK IE

7.8.1 CC-LINK IE SUPPORTS FLEXIBLE WIRING TOPOLOGIES, SUCH AS STAR, RING, AND LINE CONFIGURATION

8 INDUSTRIAL ETHERNET MARKET, BY END-USE INDUSTRY

8.1 INTRODUCTION

FIGURE 29 INDUSTRIAL ETHERNET MARKET, BY END-USE INDUSTRY

FIGURE 30 WATER & WASTEWATER SEGMENT TO WITNESS HIGHEST CAGR DURING FORECAST PERIOD

TABLE 10 INDUSTRIAL ETHERNET MARKET, BY END-USE INDUSTRY, 2018–2022 (USD MILLION)

TABLE 11 INDUSTRIAL ETHERNET MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

8.2 AUTOMOTIVE & TRANSPORTATION

8.2.1 INCREASING IMPLEMENTATION OF SMART MANUFACTURING TECHNOLOGIES IN AUTOMOBILE MANUFACTURING PLANTS TO BOOST ADOPTION OF INDUSTRIAL ETHERNET

TABLE 12 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION, BY REGION, 2018–2022 (USD MILLION)

TABLE 13 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION, BY REGION, 2023–2028 (USD MILLION)

TABLE 14 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION IN NORTH AMERICA, BY COUNTRY, 2018–2022 (USD

MILLION)

TABLE 15 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION IN NORTH AMERICA, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 16 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION IN EUROPE, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 17 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION IN EUROPE, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 18 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION IN ASIA PACIFIC, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 19 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION IN ASIA PACIFIC, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 20 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION IN ROW, BY REGION, 2018–2022 (USD MILLION)

TABLE 21 INDUSTRIAL ETHERNET MARKET FOR AUTOMOTIVE & TRANSPORTATION IN ROW, BY REGION, 2023–2028 (USD MILLION)

8.3 ELECTRICAL & ELECTRONICS

8.3.1 INCREASING DEMAND FOR INDUSTRIAL ETHERNET SOLUTIONS IN ELECTRICAL & ELECTRONICS INDUSTRY TO MINIMIZE DOWNTIME, RUN OPERATIONS AT FULL SPEED, AND INCREASE PRODUCTIVITY

TABLE 22 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS, BY REGION, 2018–2022 (USD MILLION)

TABLE 23 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS, BY REGION, 2023–2028 (USD MILLION)

TABLE 24 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS IN NORTH AMERICA, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 25 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS IN NORTH AMERICA, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 26 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS IN EUROPE, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 27 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS IN EUROPE, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 28 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS IN ASIA PACIFIC, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 29 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS IN ASIA PACIFIC, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 30 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS IN ROW, BY REGION, 2018–2022 (USD MILLION)

TABLE 31 INDUSTRIAL ETHERNET MARKET FOR ELECTRICAL & ELECTRONICS

IN ROW, BY REGION, 2023–2028 (USD MILLION)

8.4 AEROSPACE & DEFENSE

8.4.1 INCREASING DEPLOYMENT OF INDUSTRIAL ETHERNET SOLUTIONS IN AEROSPACE & DEFENSE INDUSTRY TO ENSURE EFFECTIVE MANUFACTURING PROCESSES

TABLE 32 INDUSTRIAL ETHERNET MARKET FOR AEROSPACE & DEFENSE, BY REGION, 2018–2022 (USD MILLION)

TABLE 33 INDUSTRIAL ETHERNET MARKET FOR AEROSPACE & DEFENSE, BY REGION, 2023–2028 (USD MILLION)

8.5 OIL & GAS

8.5.1 INCREASING OFFSHORE OIL AND GAS ACTIVITIES FUELING ADOPTION OF AUTOMATION SOLUTIONS IN OIL & GAS INDUSTRY

TABLE 34 INDUSTRIAL ETHERNET MARKET FOR OIL & GAS, BY REGION, 2018–2022 (USD MILLION)

TABLE 35 INDUSTRIAL ETHERNET MARKET FOR OIL & GAS, BY REGION, 2023–2028 (USD MILLION)

8.6 CHEMICAL & FERTILIZER

8.6.1 GROWING USE OF INDUSTRIAL ETHERNET IN CHEMICAL INDUSTRY TO INCREASE SAFETY, EFFICIENCY, AND SUSTAINABILITY

TABLE 36 INDUSTRIAL ETHERNET MARKET FOR CHEMICAL & FERTILIZER, BY REGION, 2018–2022 (USD MILLION)

TABLE 37 INDUSTRIAL ETHERNET MARKET FOR CHEMICAL & FERTILIZER, BY REGION, 2023–2028 (USD MILLION)

8.7 FOOD & BEVERAGE

8.7.1 INCREASING TREND OF AUTOMATION IN FOOD & BEVERAGE INDUSTRY THROUGHOUT MANUFACTURING PROCESS TO FUEL DEMAND FOR INDUSTRIAL ETHERNET

TABLE 38 INDUSTRIAL ETHERNET MARKET FOR FOOD & BEVERAGE, BY REGION, 2018–2022 (USD MILLION)

TABLE 39 INDUSTRIAL ETHERNET MARKET FOR FOOD & BEVERAGE, BY REGION, 2023–2028 (USD MILLION)

8.8 PHARMACEUTICAL

8.8.1 INCREASING DEPLOYMENT OF AUTOMATION AND SENSING TECHNOLOGIES IN PHARMACEUTICAL INDUSTRY TO FUEL MARKET GROWTH

TABLE 40 INDUSTRIAL ETHERNET MARKET FOR PHARMACEUTICAL, BY REGION, 2018–2022 (USD MILLION)

TABLE 41 INDUSTRIAL ETHERNET MARKET FOR PHARMACEUTICAL, BY REGION, 2023–2028 (USD MILLION)

8.9 ENERGY & POWER

8.9.1 COMMUNICATION NETWORKS PLAY INTEGRAL ROLE IN DATA AND INFORMATION EXCHANGE IN ENERGY & POWER PLANTS

TABLE 42 INDUSTRIAL ETHERNET MARKET FOR ENERGY & POWER, BY REGION, 2018–2022 (USD MILLION)

TABLE 43 INDUSTRIAL ETHERNET MARKET FOR ENERGY & POWER, BY REGION, 2023–2028 (USD MILLION)

8.10 MINING

8.10.1 DEPLOYMENT OF AUTOMATION IN MINING & METALS INDUSTRY FOR IMPROVED PRODUCTIVITY AND ENHANCED WORKFORCE SAFETY TO BOOST MARKET GROWTH

TABLE 44 INDUSTRIAL ETHERNET MARKET FOR MINING, BY REGION, 2018–2022 (USD MILLION)

TABLE 45 INDUSTRIAL ETHERNET MARKET FOR MINING, BY REGION, 2023–2028 (USD MILLION)

8.11 ENGINEERING/FABRICATION

8.11.1 NETWORKING TECHNOLOGIES ENSURE CONSISTENT, UNINTERRUPTED MOBILE CONNECTIVITY FOR WORKERS IN ENGINEERING AND FABRICATION APPLICATIONS

TABLE 46 INDUSTRIAL ETHERNET MARKET FOR ENGINEERING/FABRICATION, BY REGION, 2018–2022 (USD MILLION)

TABLE 47 INDUSTRIAL ETHERNET MARKET FOR ENGINEERING/FABRICATION, BY REGION, 2023–2028 (USD MILLION)

8.12 WATER & WASTEWATER

8.12.1 GROWING ADOPTION OF LOW-COST, LOW-POWER SENSORS AND EDGE-COMPUTING DEVICES TO INCREASE EFFICIENCY IN WATER & WASTEWATER OPERATIONS TO BOOST MARKET GROWTH

TABLE 48 INDUSTRIAL ETHERNET MARKET FOR WATER & WASTEWATER, BY REGION, 2018–2022 (USD MILLION)

TABLE 49 INDUSTRIAL ETHERNET MARKET FOR WATER & WASTEWATER, BY REGION, 2023–2028 (USD MILLION)

8.13 OTHERS

TABLE 50 INDUSTRIAL ETHERNET MARKET FOR OTHERS, BY REGION, 2018–2022 (USD MILLION)

TABLE 51 INDUSTRIAL ETHERNET MARKET FOR OTHERS, BY REGION, 2023–2028 (USD MILLION)

9 INDUSTRIAL ETHERNET MARKET, BY REGION

9.1 INTRODUCTION

FIGURE 31 INDUSTRIAL ETHERNET MARKET IN CHINA TO REGISTER HIGHEST CAGR FROM 2023 TO 2028

TABLE 52 INDUSTRIAL ETHERNET MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 53 INDUSTRIAL ETHERNET MARKET, BY REGION, 2023–2028(USD MILLION)

9.2 NORTH AMERICA

FIGURE 32 NORTH AMERICA: INDUSTRIAL ETHERNET MARKET SNAPSHOT

TABLE 54 INDUSTRIAL ETHERNET MARKET IN NORTH AMERICA, BY COUNTRY, 2018–2022(USD MILLION)

TABLE 55 INDUSTRIAL ETHERNET MARKET IN NORTH AMERICA, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 56 INDUSTRIAL ETHERNET MARKET IN NORTH AMERICA, BY END-USE INDUSTRY, 2018–2022 (USD MILLION)

TABLE 57 INDUSTRIAL ETHERNET MARKET IN NORTH AMERICA, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.2.1 US

9.2.1.1 Ideal environment for innovation facilitated advancements in industrial ethernet

TABLE 58 INDUSTRIAL ETHERNET MARKET IN US, BY END-USE INDUSTRY, 2018–2022 (USD MILLION)

TABLE 59 INDUSTRIAL ETHERNET MARKET IN US, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.2.2 CANADA

9.2.2.1 Growing investments in process and discrete industries to contribute to market growth

TABLE 60 INDUSTRIAL ETHERNET MARKET IN CANADA, BY END-USE INDUSTRY, 2018–2022(USD MILLION)

TABLE 61 INDUSTRIAL ETHERNET MARKET IN CANADA, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.2.3 MEXICO

9.2.3.1 Rapid adoption of smart manufacturing procedures to drive market

TABLE 62 INDUSTRIAL ETHERNET MARKET IN MEXICO, BY END-USE INDUSTRY, 2018–2022(USD MILLION)

TABLE 63 INDUSTRIAL ETHERNET MARKET IN MEXICO, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3 EUROPE

FIGURE 33 EUROPE: INDUSTRIAL ETHERNET MARKET SNAPSHOT

TABLE 64 INDUSTRIAL ETHERNET MARKET IN EUROPE, BY COUNTRY,

2018–2022 (USD MILLION)

TABLE 65 INDUSTRIAL ETHERNET MARKET IN EUROPE, BY COUNTRY,
2023–2028 (USD MILLION)

TABLE 66 INDUSTRIAL ETHERNET MARKET IN EUROPE, BY END-USE
INDUSTRY, 2018–2022 (USD MILLION)

TABLE 67 INDUSTRIAL ETHERNET MARKET IN EUROPE, BY END-USE
INDUSTRY, 2023–2028 (USD MILLION)

9.3.1 UK

9.3.1.1 Growing adoption of automation to fuel market growth

TABLE 68 INDUSTRIAL ETHERNET MARKET IN UK, BY END-USE INDUSTRY,
2018–2022 (USD MILLION)

TABLE 69 INDUSTRIAL ETHERNET MARKET IN UK, BY END-USE INDUSTRY,
2023–2028 (USD MILLION)

9.3.2 GERMANY

9.3.2.1 Technological innovations related to automotive sector to fuel market growth

TABLE 70 INDUSTRIAL ETHERNET MARKET IN GERMANY, BY END-USE
INDUSTRY, 2018–2022 (USD MILLION)

TABLE 71 INDUSTRIAL ETHERNET MARKET IN GERMANY, BY END-USE
INDUSTRY, 2023–2028 (USD MILLION)

9.3.3 FRANCE

9.3.3.1 Government focus on promoting industrial sectors to fuel adoption of
industrial ethernet solutions

TABLE 72 INDUSTRIAL ETHERNET MARKET IN FRANCE, BY END-USE INDUSTRY,
2018–2022 (USD MILLION)

TABLE 73 INDUSTRIAL ETHERNET MARKET IN FRANCE, BY END-USE INDUSTRY,
2023–2028 (USD MILLION)

9.3.4 ITALY

9.3.4.1 Focus on smart factories to fuel market growth

TABLE 74 INDUSTRIAL ETHERNET MARKET IN ITALY, BY END-USE INDUSTRY,
2018–2022 (USD MILLION)

TABLE 75 INDUSTRIAL ETHERNET MARKET IN ITALY, BY END-USE INDUSTRY,
2023–2028 (USD MILLION)

9.3.5 SPAIN

9.3.5.1 Development of automotive sector to drive market

TABLE 76 INDUSTRIAL ETHERNET MARKET IN SPAIN, BY END-USE INDUSTRY,
2018–2022 (USD MILLION)

TABLE 77 INDUSTRIAL ETHERNET MARKET IN SPAIN, BY END-USE INDUSTRY,
2023–2028 (USD MILLION)

9.3.6 REST OF EUROPE

TABLE 78 INDUSTRIAL ETHERNET MARKET IN REST OF EUROPE, BY END-USE INDUSTRY, 2018–2022(USD MILLION)

TABLE 79 INDUSTRIAL ETHERNET MARKET IN REST OF EUROPE, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.4 ASIA PACIFIC

FIGURE 34 ASIA PACIFIC: INDUSTRIAL ETHERNET MARKET SNAPSHOT

TABLE 80 INDUSTRIAL ETHERNET MARKET IN ASIA PACIFIC, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 81 INDUSTRIAL ETHERNET MARKET IN ASIA PACIFIC, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 82 INDUSTRIAL ETHERNET MARKET IN ASIA PACIFIC, BY END-USE INDUSTRY, 2018–2022 (USD MILLION)

TABLE 83 INDUSTRIAL ETHERNET MARKET IN ASIA PACIFIC, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.4.1 CHINA

9.4.1.1 Growing use of industrial ethernet networks and solutions in automotive sector to boost market growth

TABLE 84 INDUSTRIAL ETHERNET MARKET IN CHINA, BY END-USE INDUSTRY, 2018–2022 (USD MILLION)

TABLE 85 INDUSTRIAL ETHERNET MARKET IN CHINA, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.4.2 JAPAN

9.4.2.1 Ongoing technological developments in different industries to lead to deployment of advanced and highly precise automation solutions

TABLE 86 INDUSTRIAL ETHERNET MARKET IN JAPAN, BY END-USE INDUSTRY, 2018–2022 (USD MILLION)

TABLE 87 INDUSTRIAL ETHERNET MARKET IN JAPAN, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.4.3 INDIA

9.4.3.1 Ongoing government initiatives for automation of different industries to fuel market growth

TABLE 88 INDUSTRIAL ETHERNET MARKET IN INDIA, BY END-USE INDUSTRY, 2018–2022 (USD MILLION)

TABLE 89 INDUSTRIAL ETHERNET MARKET IN INDIA, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.4.4 SOUTH KOREA

9.4.4.1 Growing adoption of industrial ethernet by electronic goods manufacturing companies to drive market

TABLE 90 INDUSTRIAL ETHERNET MARKET IN SOUTH KOREA, BY END-USE

INDUSTRY, 2018–2022 (USD MILLION)

TABLE 91 INDUSTRIAL ETHERNET MARKET IN SOUTH KOREA, BY END-USE
INDUSTRY, 2023–2028 (USD MILLION)

9.4.5 REST OF ASIA PACIFIC

TABLE 92 INDUSTRIAL ETHERNET MARKET IN REST OF ASIA PACIFIC, BY END-
USE INDUSTRY, 2018–2022 (USD MILLION)

TABLE 93 INDUSTRIAL ETHERNET MARKET IN REST OF ASIA PACIFIC, BY END-
USE INDUSTRY, 2023–2028 (USD MILLION)

9.5 REST OF THE WORLD

TABLE 94 INDUSTRIAL ETHERNET MARKET IN ROW, BY REGION, 2018–2022
(USD MILLION)

TABLE 95 INDUSTRIAL ETHERNET MARKET IN ROW, BY REGION, 2023–2028
(USD MILLION)

TABLE 96 INDUSTRIAL ETHERNET MARKET IN ROW, BY END-USE INDUSTRY,
2018–2022 (USD MILLION)

TABLE 97 INDUSTRIAL ETHERNET MARKET IN ROW, BY END-USE INDUSTRY,
2023–2028 (USD MILLION)

9.5.1 SOUTH AMERICA

9.5.1.1 Rising deployment of factory automation solutions in different industries to
boost market

TABLE 98 INDUSTRIAL ETHERNET MARKET IN SOUTH AMERICA, BY END-USE
INDUSTRY, 2018–2022(USD MILLION)

TABLE 99 INDUSTRIAL ETHERNET MARKET IN SOUTH AMERICA, BY END-USE
INDUSTRY, 2023–2028 (USD MILLION)

9.5.2 MIDDLE EAST

9.5.2.1 Growing adoption of automation solutions in oil & gas industry to fuel market
growth

TABLE 100 INDUSTRIAL ETHERNET MARKET IN MIDDLE EAST, BY END-USE
INDUSTRY, 2018–2022 (USD MILLION)

TABLE 101 INDUSTRIAL ETHERNET MARKET IN MIDDLE EAST, BY END-USE
INDUSTRY, 2023–2028 (USD MILLION)

9.5.3 AFRICA

9.5.3.1 Production increase in food & beverage, automotive, and pharmaceutical
industries to drive market

TABLE 102 INDUSTRIAL ETHERNET MARKET IN AFRICA, BY END-USE
INDUSTRY, 2018–2022 (USD MILLION)

TABLE 103 INDUSTRIAL ETHERNET MARKET IN AFRICA, BY END-USE
INDUSTRY, 2023–2028 (USD MILLION)

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

TABLE 104 COMPANIES ADOPTED PRODUCT LAUNCHES AND DEVELOPMENTS AS KEY GROWTH STRATEGIES FROM 2019 TO 2022

TABLE 105 INDUSTRIAL ETHERNET MARKET: DEGREE OF COMPETITION

FIGURE 35 MARKET SHARE OF KEY COMPANIES IN INDUSTRIAL ETHERNET MARKET, 2022

10.2 COMPANY EVALUATION QUADRANT

10.2.1 INDUSTRIAL ETHERNET MARKET

10.2.1.1 Stars

10.2.1.2 Emerging leaders

10.2.1.3 Pervasive players

10.2.1.4 Participants

FIGURE 36 INDUSTRIAL ETHERNET MARKET: COMPANY EVALUATION QUADRANT, 2022

10.3 COMPETITIVE SITUATIONS AND TRENDS

10.3.1 PRODUCT LAUNCHES

TABLE 106 INDUSTRIAL ETHERNET MARKET: PRODUCT LAUNCHES, JANUARY 2019–NOVEMBER 2022

TABLE 107 INDUSTRIAL ETHERNET MARKET: DEALS, JANUARY 2019–NOVEMBER 2022

11 COMPANY PROFILES

(Business overview, Products offered, Recent developments & MnM View)*

11.1 KEY PLAYERS

11.1.1 SIEMENS

TABLE 108 SIEMENS: BUSINESS OVERVIEW

FIGURE 37 SIEMENS: COMPANY SNAPSHOT

TABLE 109 SIEMENS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 110 SIEMENS: PRODUCT LAUNCHES

TABLE 111 SIEMENS: DEALS

11.1.2 ROCKWELL AUTOMATION

TABLE 112 ROCKWELL AUTOMATION: BUSINESS OVERVIEW

FIGURE 38 ROCKWELL AUTOMATION: COMPANY SNAPSHOT

TABLE 113 ROCKWELL AUTOMATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 114 ROCKWELL AUTOMATION: PRODUCT LAUNCHES

TABLE 115 ROCKWELL AUTOMATION: DEALS

11.1.3 CISCO SYSTEMS

TABLE 116 CISCO SYSTEMS: BUSINESS OVERVIEW

FIGURE 39 CISCO SYSTEMS: COMPANY SNAPSHOT

TABLE 117 CISCO SYSTEMS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 118 CISCO SYSTEMS: PRODUCT LAUNCHES

TABLE 119 CISCO SYSTEMS: DEALS

11.1.4 OMRON

TABLE 120 OMRON: BUSINESS OVERVIEW

FIGURE 40 OMRON: COMPANY SNAPSHOT

TABLE 121 OMRON: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 122 OMRON: PRODUCT LAUNCHES

TABLE 123 OMRON: DEALS

11.1.5 MOXA

TABLE 124 MOXA: BUSINESS OVERVIEW

TABLE 125 MOXA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 126 MOXA: PRODUCT LAUNCHES

11.1.6 BELDEN

TABLE 127 BELDEN: BUSINESS OVERVIEW

FIGURE 41 BELDEN: COMPANY SNAPSHOT

TABLE 128 BELDEN: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 129 BELDEN: PRODUCT LAUNCHES

TABLE 130 BELDEN: DEALS

11.1.7 HUAWEI TECHNOLOGIES

TABLE 131 HUAWEI TECHNOLOGIES: BUSINESS OVERVIEW

FIGURE 42 HUAWEI TECHNOLOGIES: COMPANY SNAPSHOT

TABLE 132 HUAWEI TECHNOLOGIES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 133 HUAWEI TECHNOLOGIES: PRODUCT LAUNCHES

TABLE 134 HUAWEI TECHNOLOGIES: DEALS

TABLE 135 HUAWEI TECHNOLOGIES: OTHERS

11.1.8 SICK

TABLE 136 SICK: BUSINESS OVERVIEW

FIGURE 43 SICK: COMPANY SNAPSHOT

TABLE 137 SICK: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 138 SICK: PRODUCT LAUNCHES

TABLE 139 SICK: DEALS

11.1.9 SCHNEIDER ELECTRIC

TABLE 140 SCHNEIDER ELECTRIC: BUSINESS OVERVIEW

FIGURE 44 SCHNEIDER ELECTRIC: COMPANY SNAPSHOT

TABLE 141 SCHNEIDER ELECTRIC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 142 SCHNEIDER ELECTRIC: DEALS

11.1.10 ABB

TABLE 143 ABB: BUSINESS OVERVIEW

FIGURE 45 ABB: COMPANY SNAPSHOT

TABLE 144 ABB: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 145 ABB: DEALS

*Details on Business overview, Products offered, Recent developments & MnM View might not be captured in case of unlisted companies.

11.2 OTHER PLAYERS

11.2.1 GE GRID SOLUTIONS

11.2.2 ADVANTECH

11.2.3 HMS NETWORKS

11.2.4 IFM ELECTRONIC

11.2.5 WEIDMULLER

11.2.6 PATTON

11.2.7 BECKHOFF AUTOMATION

11.2.8 HONEYWELL

11.2.9 AAEON

11.2.10 TURCK

11.2.11 BOSCH REXROTH

11.2.12 HITACHI

TABLE 146 HITACHI: COMPANY OVERVIEW

11.2.13 ERICSSON

TABLE 147 ERICSSON: COMPANY OVERVIEW

11.2.14 MITSUBISHI ELECTRIC GROUP

TABLE 148 MITSUBISHI ELECTRIC GROUP: COMPANY OVERVIEW

11.2.15 CHAOS PRIME

TABLE 149 CHAOS PRIME: COMPANY OVERVIEW

12 APPENDIX

12.1 DISCUSSION GUIDE

12.2 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

12.3 CUSTOMIZATION OPTIONS

12.4 RELATED REPORTS

12.5 AUTHOR DETAILS

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