

Emergency Shutdown System Market by Components (Switches, Sensors, Programmable Safety Systems, Safety Valves, Actuators), by Control Method (Pneumatic, Electrical, Fiber optic, Radio Telemetry), by Application, and Region - Global Trend and Forecast to 2022

<https://marketpublishers.com/r/E05C23CEAE5EN.html>

Date: April 2016

Pages: 167

Price: US\$ 5,650.00 (Single User License)

ID: E05C23CEAE5EN

Abstracts

The overall emergency shutdown (ESD) system market is expected to reach USD 1,816 million by 2022, at a CAGR of 9.1% between 2016 and 2022. Rising demand for safety systems in the oil & gas industry is an important factor driving the ESD system market. The demand for energy is growing because of economic and industrial development in different countries, and oil & gas are the major sources of energy due to which large investments in these sources have been rising across the globe. Moreover, these systems are used to minimize the consequences of emergency situations related to typically uncontrolled flooding, escape of hydrocarbons, or outbreak of fire in hydrocarbon carrying areas in the oil & gas application.

“The ESD system market for the power generation application is expected to grow at the highest CAGR”

The market for the power generation application is estimated to grow at a high CAGR during the forecast period. New techniques reduce the environmental burden of coal-fired power plants and allow higher efficiencies with a better conversion of heat to electrical energy; accordingly, related ESD systems are also expected to change. The rising demand for green energy has resulted into outset of new projects for renewable power generation; therefore, the market for the power generation application is expected to grow rapidly during the forecast period.

“APAC is the fastest-growing market for ESD system”

The market in APAC is expected to grow at a high CAGR between 2016 and 2022. With developing industrialization in APAC, increasing industrial and machine safety emphasis by the organizations and influence of multinational companies in adoption of safety systems are driving the demand for ESD systems in the APAC region. A healthy growth of ESD systems is expected in the oil & gas application with a number of greenfield projects being planned in countries such as Indonesia and Malaysia. Some of the major players of ESD system in APAC are Yokogawa Electric Corporation (Japan) and OMRON Corporation (Japan).

Breakup of profile of primary participants for the report is given below:

By Company Type – Tier 1 – 45%, Tier 2 – 25%, and Tier 3 – 30%

By Designation – C-Level – 45% and Manager Level – 55%

By Region – North America - 20%, Europe – 25%, APAC – 40%, and RoW – 15%

The key players in ESD system this market are Rockwell Automation (U.S.), Schneider Electric SE (France), Emerson Electric Company (U.S.), Siemens AG (Germany), Honeywell International, ABB Ltd. (Switzerland), General Electric Company, Yokogawa Electric Corporation, OMRON Corporation, and HIMA Paul Hildebrandt GmbH (Germany).

Reasons to Buy the Report:

This report includes the market statistics pertaining to component, application, and geography.

The Porter’s five forces framework has been utilized along with the value chain analysis to provide an in-depth insight into the ESD system market.

Major drivers, restraints, and opportunities for the ESD system market have been detailed in this report.

Illustrative segmentation, analysis, and forecast for markets have been conducted to give an overall view of the ESD system market.

A detailed competitive landscape includes key players, in-depth analysis, and revenue of key players.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

2 RESERACH METHODOLOGY

- 2.1 INTRODUCTION
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Key industry insights
 - 2.1.2.3 Breakdown of primary interviews
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN & DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 EMERGENCY SHUTDOWN SYSTEM MARKET, 2013–2022 (USD MILLION)
- 4.2 EMERGENCY SHUTDOWN SYSTEM MARKET, BY COMPONENT
- 4.3 EMERGENCY SHUTDOWN SYSTEM MARKET
- 4.4 THE APAC MARKET EXPECTED TO GROW AT THE HIGHEST RATE BETWEEN 2016 AND 2022
- 4.5 EMERGENCY SHUTDOWN SYSTEM MARKET, BY APPLICATION
- 4.6 EMERGENCY SHUTDOWN SYSTEM MARKET, BY REGION

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET SEGMENTATION

5.2.1 ESD MARKET, BY COMPONENT

5.2.2 ESD SYSTEM MARKET, BY APPLICATION

5.2.3 ESD SYSTEM MARKET, BY GEOGRAPHY

5.3 WORKING OF AN ESD SYSTEM

5.3.1 SENSORS

5.3.2 LOGIC SOLVERS

5.3.3 FINAL CONTROL ELEMENTS

5.4 SAFETY INTEGRITY LEVEL (SIL)

5.5 COMMUNICATION PROTOCOLS USED IN PROCESS INDUSTRIES

5.5.1 COMMUNICATION PROTOCOLS

5.5.1.1 PROFIBUS

5.5.1.2 PROFINET

5.5.1.3 MODBUS

5.5.1.4 Open Platform Communications (OPC)

5.6 MARKET DYNAMICS

5.6.1 DRIVERS

5.6.1.1 Rising demand for safety systems in the oil & gas industry

5.6.1.2 Implementation of regulatory measures by several governments for industrial safety

5.6.2 RESTRAINTS

5.6.2.1 Complexity of safety designs and lack of awareness regarding standards

5.6.2.2 Additional cost to an organization due to the ESD system

5.6.3 OPPORTUNITIES

5.6.3.1 Rising usage of industrial Internet of Things (IIOT) creating opportunities for the market

5.6.3.2 Growing emphasis on industrial safety measures

5.6.4 CHALLENGES

5.6.4.1 Lack of common standards in the market

5.6.4.2 Increasing complexity of safety applications

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS

6.3 PORTER'S FIVE FORCES ANALYSIS

6.3.1 INTENSITY OF COMPETITIVE RIVALRY

6.3.2 THREAT OF SUBSTITUTES

6.3.3 THREAT OF NEW ENTRANTS

6.3.4 BARGAINING POWER OF SUPPLIERS

6.3.5 BARGAINING POWER OF BUYERS

7 CONTROL METHODS USED IN EMERGENCY SHUTDOWN SYSTEMS

7.1 INTRODUCTION

7.2 PNEUMATIC

7.3 ELECTRICAL/HARDWIRED

7.4 FIBER OPTIC

7.5 RADIO TELEMETRY

8 EMERGENCY SHUTDOWN SYSTEM MARKET, BY COMPONENT

8.1 INTRODUCTION

8.2 SAFETY SWITCHES

8.3 EMERGENCY STOP DEVICES

8.4 SAFETY CONTROLLERS/MODULES/RELAYS

8.5 SAFETY SENSORS

8.6 LOGIC SOLVERS/PROGRAMMABLE SAFETY SYSTEMS

8.7 SAFETY VALVES

8.7.1 WATER VALVES/HYDRAULIC VALVES

8.7.2 GAS VALVES

8.7.3 FUSIBLE PLUGS

8.7.4 PLASTIC TUBING

8.7.5 SHAPE-MEMORY ALLOYS

8.8 ACTUATORS

8.9 OTHERS

9 EMERGENCY SHUTDOWN SYSTEM MARKET, BY APPLICATION

9.1 INTRODUCTION

9.2 POWER GENERATION

9.2.1 FOSSIL FUEL

9.2.2 NUCLEAR

9.2.3 RENEWABLE

- 9.3 OIL & GAS
 - 9.3.1 UPSTREAM SECTOR
 - 9.3.2 MIDSTREAM SECTOR
 - 9.3.3 DOWNSTREAM SECTOR
- 9.4 REFINING
- 9.5 CHEMICAL
- 9.6 METAL & MINING
- 9.7 PAPER & PULP
- 9.8 PHARMACEUTICAL
- 9.9 FOOD & BEVERAGES
- 9.10 WATER & WASTEWATER
- 9.11 OTHERS

10 EMERGENCY SHUTDOWN SYSTEM MARKET, BY GEOGRAPHY

- 10.1 INTRODUCTION
- 10.2 AMERICAS
 - 10.2.1 NORTH AMERICA
 - 10.2.1.1 U.S.
 - 10.2.1.2 CANADA
 - 10.2.1.3 MEXICO
 - 10.2.2 SOUTH AMERICA
- 10.3 EUROPE
 - 10.3.1 U.K.
 - 10.3.2 GERMANY
 - 10.3.3 FRANCE
 - 10.3.4 ITALY
 - 10.3.5 REST OF EUROPE (ROE)
- 10.4 APAC
 - 10.4.1 CHINA
 - 10.4.2 JAPAN
 - 10.4.3 INDIA
 - 10.4.4 SOUTH KOREA
 - 10.4.5 REST OF APAC (ROAPAC)
- 10.5 REST OF THE WORLD (ROW)
 - 10.5.1 MIDDLE EAST
 - 10.5.2 AFRICA

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 MARKET SHARE ANALYSIS - ESD SYSTEM MARKET

11.3 COMPETITIVE SITUATIONS AND TRENDS

11.3.1 NEW PRODUCT LAUNCHES

11.3.2 ACQUISITIONS

11.3.3 PARTNERSHIPS & CONTRACTS

12 COMPANY PROFILES

(Overview, Products and Services, Financials, Strategy & Development)*

12.1 INTRODUCTION

12.2 ABB LTD.

12.3 EMERSON ELECTRIC CO.

12.4 GENERAL ELECTRIC COMPANY

12.5 HONEYWELL INTERNATIONAL INC.

12.6 SCHNEIDER ELECTRIC SE

12.7 ROCKWELL AUTOMATION, INC.

12.8 SIEMENS AG

12.9 YOKOGAWA ELECTRIC CORP.

12.10 OMRON CORPORATION

12.11 PROSERV INGENIOUS SIMPLICITY

12.12 HIMA PAUL HILDEBRANDT GMBH

*Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.

13 APPENDIX

13.1 INSIGHTS OF INDUSTRY EXPERTS

13.2 DISCUSSION GUIDE

13.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

13.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

13.5 AVAILABLE CUSTOMIZATIONS

13.6 RELATED REPORTS

List Of Tables

LIST OF TABLES

Table 1 SIL-RELATED MEASURES

Table 2 RISING DEMAND FOR SAFETY SYSTEMS IN THE OIL & GAS INDUSTRY IS DRIVING THE GROWTH OF THE ESD SYSTEM MARKET

Table 3 COMPLEXITY OF SAFETY DESIGNS AND LACK OF AWARENESS REGARDING STANDARDS IS EXPECTED TO AFFECT THE GROWTH OF THE MARKET

Table 4 RISING USAGE OF INDUSTRIAL INTERNET OF THINGS (IIOT) CREATING OPPORTUNITIES FOR THE ESD SYSTEM MARKET

Table 5 INCREASING COMPLEXITY OF SAFETY APPLICATIONS IS A CHALLENGE FOR THE EMERGENCY SHUTDOWN SYSTEM MARKET

Table 6 SIL LEVEL AND PERFORMANCE RANGES FOR ON-DEMAND MODE

Table 7 EMERGENCY SHUTDOWN SYSTEM MARKET SIZE, BY COMPONENT, 2013–2022 (USD MILLION)

Table 8 EMERGENCY SHUTDOWN SYSTEM MARKET, BY COMPONENT, 2013–2022 (THOUSAND UNITS)

Table 9 ESD SYSTEM MARKET FOR SAFETY SWITCHES, BY APPLICATION, 2013–2022 (USD MILLION)

Table 10 ESD SYSTEM MARKET FOR SAFETY SWITCHES, BY REGION, 2013–2022 (USD MILLION)

Table 11 ESD SYSTEM MARKET FOR EMERGENCY STOP DEVICES, BY APPLICATION, 2013–2022 (USD MILLION)

Table 12 ESD SYSTEM MARKET FOR EMERGENCY STOP DEVICES, BY REGION, 2013–2022 (USD MILLION)

Table 13 ESD SYSTEM MARKET FOR SAFETY CONTROLLERS/MODULES/RELAYS, BY APPLICATION, 2013–2022 (USD MILLION)

Table 14 ESD SYSTEM MARKET FOR SAFETY CONTROLLERS/MODULES/RELAYS, BY REGION, 2013–2022 (USD MILLION)

Table 15 ESD SYSTEM MARKET FOR SAFETY SENSORS, BY APPLICATION, 2013–2022 (USD MILLION)

Table 16 ESD SYSTEM MARKET FOR SAFETY SENSORS, BY REGION, 2013–2022 (USD MILLION)

Table 17 ESD SYSTEM MARKET FOR PROGRAMMABLE SAFETY SYSTEMS, BY APPLICATION, 2013–2022 (USD MILLION)

Table 18 ESD SYSTEM MARKET FOR PROGRAMMABLE SAFETY SYSTEMS, BY REGION, 2013–2022 (USD MILLION)

Table 19 ESD SYSTEM MARKET FOR VALVES, BY APPLICATION, 2013–2022 (USD MILLION)

Table 20 ESD SYSTEM MARKET FOR VALVES, BY REGION, 2013–2022 (USD MILLION)

Table 21 ESD SYSTEM MARKET FOR ACTUATORS, BY APPLICATION, 2013–2022 (USD MILLION)

Table 22 ESD SYSTEM MARKET FOR ACTUATORS, BY REGION, 2013–2022 (USD MILLION)

Table 23 ESD SYSTEM MARKET FOR OTHER COMPONENTS, BY APPLICATION, 2013–2022 (USD MILLION)

Table 24 ESD SYSTEM MARKET FOR OTHER COMPONENTS, BY REGION, 2013–2022 (USD MILLION)

Table 25 EMERGENCY SHUTDOWN SYSTEM MARKET SIZE, BY APPLICATION, 2013–2022 (USD MILLION)

Table 26 ESD SYSTEM MARKET FOR POWER GENERATION, BY COMPONENT, 2013–2022 (USD MILLION)

Table 27 ESD SYSTEM MARKET FOR POWER GENERATION, BY REGION, 2013–2022 (USD MILLION)

Table 28 ESD SYSTEM MARKET FOR POWER GENERATION IN AMERICAS, BY REGION, 2013–2022 (USD MILLION)

Table 29 ESD SYSTEM MARKET SIZE, BY POWER GENERATION TYPE, 2013–2022 (USD MILLION)

Table 30 ESD SYSTEM MARKET FOR OIL & GAS, BY COMPONENT, 2013–2022 (USD MILLION)

Table 31 ESD SYSTEM MARKET FOR OIL & GAS, BY REGION, 2013–2022 (USD MILLION)

Table 32 ESD SYSTEM MARKET FOR OIL & GAS IN AMERICAS, BY REGION, 2013–2022 (USD MILLION)

Table 33 ESD SYSTEM MARKET FOR UPSTREAM SECTOR FOR OIL & GAS, BY REGION, 2013–2022 (USD MILLION)

Table 34 ESD MARKET FOR MIDSTREAM SECTOR FOR OIL & GAS, BY REGION, 2013–2022 (USD MILLION)

Table 35 ESD MARKET SIZE FOR DOWNSTREAM SECTOR FOR OIL & GAS, BY REGION, 2013–2022 (USD MILLION)

Table 36 EMERGENCY SHUTDOWN SYSTEM MARKET, BY OIL & GAS SECTOR, 2013–2022 (USD MILLION)

Table 37 ESD SYSTEM MARKET FOR REFINING, BY COMPONENT, 2013–2022 (USD MILLION)

Table 38 ESD SYSTEM MARKET FOR REFINING, BY REGION, 2013–2022 (USD

MILLION)

Table 39 ESD SYSTEM MARKETFOR CHEMICAL, BY COMPONENT, 2013–2022
(USD MILLION)

Table 40 ESD SYSTEM MARKETFOR CHEMICAL, BY REGION, 2013–2022 (USD
MILLION)

Table 41 ESD SYSTEM MARKETFOR METAL & MINING, BY COMPONENT,
2013–2022 (USD MILLION)

Table 42 ESD SYSTEM MARKETFOR METAL & MINING, BY REGION, 2013–2022
(USD MILLION)

Table 43 ESD SYSTEM MARKET FOR PAPER & PULP, BY COMPONENT,
2013–2022 (USD MILLION)

Table 44 ESD SYSTEM MARKETFOR PAPER & PULP, BY REGION, 2013–2022
(USD MILLION)

Table 45 ESD SYSTEM MARKETFOR PHARMACEUTICAL, BY COMPONENT,
2013–2022 (USD MILLION)

Table 46 ESD SYSTEM MARKETFOR PHARMACEUTICAL, BY REGION, 2013–2022
(USD MILLION)

Table 47 ESD SYSTEM MARKET FOR FOOD & BEVERAGES, BY COMPONENT,
2013–2022 (USD MILLION)

Table 48 ESD SYSTEM MARKETFOR FOOD & BEVERAGES, BY REGION,
2013–2022 (USD MILLION)

Table 49 ESD SYSTEM MARKET FOR WATER & WASTEWATER, BY COMPONENT,
2013–2022 (USD MILLION)

Table 50 ESD SYSTEM MARKET FOR WATER & WASTEWATER, BY REGION,
2013–2022 (USD MILLION)

Table 51 ESD SYSTEM MARKETFOR OTHER APPLICATIONS, BY COMPONENT,
2013–2022 (USD MILLION)

Table 52 ESD SYSTEM MARKET FOR OTHER APPLICATIONS, BY REGION,
2013–2022 (USD MILLION)

Table 53 EMERGENCY SHUTDOWN SYSTEM MARKET, BY REGION, 2013–2022
(USD MILLION)

Table 54 ESD SYSTEM MARKET IN AMERICAS, BY COMPONENT, 2013–2022 (USD
MILLION)

Table 55 EDS SYSTEM MARKET IN AMERICAS, BY APPLICATION, 2013–2022 (USD
MILLION)

Table 56 ESD SYSTEM MARKET IN AMERICAS, BY REGION, 2013–2022 (USD
MILLION)

Table 57 ESD SYSTEM MARKET IN NORTH AMERICA, BY COUNTRY, 2013–2022
(USD MILLION)

Table 58 ESD SYSTEM MARKET IN EUROPE, BY COMPONENT, 2013–2022 (USD MILLION)

Table 59 ESD SYSTEM MARKET IN EUROPE, BY APPLICATION, 2013–2022 (USD MILLION)

Table 60 ESD SYSTEM MARKET IN EUROPE, BY COUNTRY, 2013–2022 (USD MILLION)

Table 61 EDS SYSTEM MARKET IN APAC, BY COMPONENT, 2013–2022 (USD MILLION)

Table 62 EDS SYSTEM MARKET IN APAC, BY APPLICATION, 2013–2022 (USD MILLION)

Table 63 ESD SYSTEM MARKET IN APAC, BY COUNTRY, 2013–2022 (USD MILLION)

Table 64 ESD SYSTEM MARKET IN ROW, BY COMPONENT, 2013–2022 (USD MILLION)

Table 65 ESD SYSTEM MARKET IN ROW, BY APPLICATION, 2013–2022 (USD MILLION)

Table 66 ESD SYSTEM MARKET IN ROW, BY REGION, 2013–2022 (USD MILLION)

Table 67 NEW PRODUCT LAUNCHES, 2014–2015

Table 68 ACQUISITIONS, 2014–2016

Table 69 PARTNERSHIPS & CONTRACTS IN 2014-2015

List Of Figures

LIST OF FIGURES

- Figure 1 EMERGENCY SHUTDOWN SYSTEM MARKET SEGMENTATION
- Figure 2 ESD SYSTEM MARKET: RESEARCH DESIGN
- Figure 3 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH
- Figure 4 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH
- Figure 5 DATA TRIANGULATION
- Figure 6 EMERGENCY SHUTDOWN SYSTEM MARKET SIZE, 2013–2022 (USD MILLION)
- Figure 7 MARKET FOR PROGRAMMABLE SAFETY SYSTEMS EXPECTED TO GROW AT

THE HIGHEST RATE DURING THE FORECAST PERIOD

- Figure 8 EMERGENCY SHUTDOWN SYSTEM MARKET, BY APPLICATION, 2015
- Figure 9 APAC MARKET EXPECTED TO GROW AT THE HIGHEST RATE DURING

THE FORECAST PERIOD

- Figure 10 RISING DEMAND FOR SAFETY SYSTEMS IN PROCESS INDUSTRIES IS DRIVING

THE EMERGENCY SHUTDOWN SYSTEM MARKET DURING THE FORECAST PERIOD

- Figure 11 MARKET FOR PROGRAMMABLE SAFETY SYSTEMS EXPECTED TO GROW AT

THE HIGHEST RATE DURING THE FORECAST PERIOD

- Figure 12 SAFETY SENSORS HELD THE LARGEST SHARE OF THE EMERGENCY SHUTDOWN SYSTEM MARKET IN 2015
- Figure 13 EUROPE EXPECTED TO HOLD THE LARGEST SHARE DURING

THE FORECAST PERIOD

- Figure 14 OIL & GAS APPLICATION DOMINATED THE EMERGENCY SHUTDOWN

SYSTEM MARKET IN 2015

Figure 15 EUROPE WOULD DOMINATE THE ESD MARKET DURING THE FORECAST PERIOD

Figure 16 MARKET SEGEMENTATION, BY GEOGRAPHY

Figure 17 IMPLEMENTATION OF REGULATORY MEASURES BY SEVERAL GOVERNMENTS FOR INDUSTRIAL SAFETY EXPECTED TO BRING OPPORTUNITIES IN THE ESD SYSTEM MARKET

Figure 18 MAJOR VALUE IS ADDED DURING THE DESIGN OF AN ESD SYSTEM AND

ITS VALIDATION PHASE

Figure 19 PORTER'S FIVE FORCES ANALYSIS, 2015

Figure 20 INTENSITY OF COMPETITIVE RIVARLY HAD A HIGH IMPACT ON THE ESD SYSTEM MARKET IN 2015

Figure 21 THREAT OF SUBSTITUTES HAD LOW IMPACT AND WOULD REMAIN LOW IN THE FUTURE

Figure 22 THREAT OF NEW ENTRANTS HAS MEDIUM IMPACT DUE TO THE REQUIREMENT OF HUGE INVESTMENT

Figure 23 BARGAINING POWER OF SUPPLIERS IS MEDIUM AS STRINGENT SAFETY STANDARDS ARE REQUIRED TO BE FOLLOWED FOR DESIGNING ESD SYSTEMS

Figure 24 BARGAINING POWER OF BUYERS IN THE ESD SYSTEM MARKET IS MEDIUM

Figure 25 COMPONENTS OF THE ESD SYSTEM

Figure 26 PROGRAMMABLE SAFETY SYSTEMS MARKET EXPECTED TO GROW AT

THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 27 EUROPE EXPECTED TO HOLD THE LARGEST SIZE OF THE ESD SYSTEM MARKET FOR SAFETY SWITCHES DURING THE FORECAST PERIOD

Figure 28 POWER GENERATION EXPECTED TO GROW AT THE HIGHEST RATE IN THE ESD SYSTEM MARKET FOR SAFETY CONTROLLERS/MODULES/RELAYS DURING THE FORECAST PERIOD

Figure 29 APAC ESD SYSTEM MARKET FOR PROGRAMMABLE SAFETY SYSTEMS EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 30 POWER GENERATION APPLICATION EXPECTED TO DOMINATE THE ESD SYSTEM MARKET FOR SAFETY VALVES BY 2022

Figure 31 ESD SYSTEM MARKET, BY APPLICATION

Figure 32 POWER GENERATION APPLICATION EXPECTED TO GROW AT THE HIGHEST RATE IN THE ESD SYSTEM MARKET DURING THE FORECAST PERIOD

Figure 33 SAFETY SENSORS IN ESD SYSTEMS FOR THE OIL & GAS APPLICATION EXPECTED TO HOLD THE LARGEST MARKET SIZE BY 2022

Figure 34 ESD SYSTEM MARKET FOR THE CHEMICAL APPLICATION IN APAC EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 35 MARKET FOR SAFETY SENSORS USED IN ESD SYSTEMS FOR

THE FOOD & BEVERAGES APPLICATION EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 36 EMERGENCY SHUTDOWN SYSTEM MARKET, GEOGRAPHIC SNAPSHOT, 2016–2022

Figure 37 THE APAC MARKET FOR ESD SYSTEMS EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 38 POWER GENERATION APPLICATION EXPECTED TO DOMINATE THE ESD SYSTEM MARKET IN THE AMERICAS DURING THE FORECAST PERIOD

Figure 39 EMERGENCY SHUTDOWN SYSTEM MARKET OVERVIEW IN EUROPE

Figure 40 EMERGENCY SHUTDOWN SYSTEM MARKET OVERVIEW IN APAC

Figure 41 SAFETY SENSORS EXPECTED TO LEAD THE ESD SYSTEM MARKET IN APAC DURING THE FORECAST PERIOD

Figure 42 COMPANIES ADOPTED ACQUISITIONS AND NEW PRODUCT LAUNCHES AS KEY GROWTH STRATEGIES DURING 2013–2016

Figure 43 ESD SYSTEM MARKET SHARE ANALYSIS, 2015

Figure 44 MARKET EVALUATION FRAMEWORK - NEW PRODUCT LAUNCHES FUELED GROWTH AND INNOVATION IN 2014 AND 2015

Figure 45 BATTLE FOR MARKET SHARE: NEW PRODUCT LAUNCHES WAS THE KEY STRATEGY DURING 2013–2015

Figure 46 GEOGRAPHIC REVENUE MIX OF TOP 5 MARKET PLAYERS

Figure 47 ABB LTD.: COMPANY SNAPSHOT

Figure 48 ABB LTD: SWOT ANALYSIS

Figure 49 EMERSON ELECTRIC CO.: COMPANY SNAPSHOT

Figure 50 EMERSON ELECTRIC CO.: SWOT ANALYSIS

Figure 51 GENERAL ELECTRIC CO.: COMPANY SNAPSHOT

Figure 52 HONEYWELL INTERNATIONAL INC.: COMPANY SNAPSHOT

Figure 53 HONEYWELL INTERNATIONAL INC.: SWOT ANALYSIS

Figure 54 SCHNEIDER ELECTRIC SE: COMPANY SNAPSHOT

Figure 55 SCHNEIDER ELECTRIC SE: SWOT ANALYSIS

Figure 56 ROCKWELL AUTOMATION, INC.: COMPANY SNAPSHOT

Figure 57 ROCKWELL AUTOMATION, INC.: SWOT ANALYSIS

Figure 58 SIEMENS AG: COMPANY SNAPSHOT

Figure 59 YOKOGAWA ELECTRIC CORP.: COMPANY SNAPSHOT

Figure 60 OMRON CORPORATION: COMPANY SNAPSHOT

I would like to order

Product name: Emergency Shutdown System Market by Components (Switches, Sensors, Programmable Safety Systems, Safety Valves, Actuators), by Control Method (Pneumatic, Electrical, Fiber optic, Radio Telemetry), by Application, and Region - Global Trend and Forecast to 2022

Product link: <https://marketpublishers.com/r/E05C23CEAE5EN.html>

Price: US\$ 5,650.00 (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/E05C23CEAE5EN.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