

# **Emergency Shutdown Systems Market Report by Component (Switches, Sensors, Programmable Safety Systems, Safety Valves, Actuators, and Others), Control Method (Pneumatic, Electrical, Fiber Optic, Hydraulic, and Others), Industry Vertical (Oil and Gas, Refining, Power Generation, Metal and Mining, Paper and Pulp, and Others), and Region 2024-2032**

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## **Abstracts**

The global emergency shutdown systems market size reached US\$ 2.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.5 Billion by 2032, exhibiting a growth rate (CAGR) of 7.94% during 2024-2032.

Emergency shutdown systems are specialized control systems designed to minimize the consequences of emergencies, such as uncontrolled flooding, and provide safe operations. They consist of valves, field-mounted sensors, actuators, safety sensors, emergency stop devices, programmable safety systems, safety modules, and relays. These systems are widely used to reduce the chances of possible explosions and an outbreak of fire in hydrocarbon carrying areas and other hazardous areas. Emergency shutdown systems assist in closing watertight and fire doors, isolating electrical equipment and shutting and depressurizing system parts and equipment. They are highly reliable, safe, flexible, accurate, and provide faster response time. As a result, they find extensive application across various industries, such as refining, pharmaceuticals, paper and pulp, power generation, metal and mining, oil and gas.

### **Emergency Shutdown Systems Market Trends:**

Significant growth in the oil and gas industry is one of the key factors creating a positive outlook for the market. Emergency shutdown systems are commonly used to minimize

the risk of major incidents and prevent the pressure from bursting through the wellhead. In line with this, the increasing product demand, especially from offshore refineries, is favoring the market growth. Moreover, various technological advancements, such as the integration of the Internet of Things (IoT) in emergency shutdown systems to provide real-time monitoring, are boosting the market growth. Additionally, the rapid adoption of emergency shutdown systems in the pharmaceutical industry due to the involvement of toxic ingredients and heating and cooling agents is positively impacting the market growth. Other factors, such as the rising demand for emergency shutdown systems across the power generation industry and the implementation of various government initiatives for workplace safety, are driving the market growth across the globe.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global emergency shutdown systems market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on component, control method and industry vertical.

#### Breakup by Component:

- Switches
- Sensors
- Programmable Safety Systems
- Safety Valves
- Actuators
- Others

#### Breakup by Control Method:

- Pneumatic
- Electrical
- Fiber Optic
- Hydraulic
- Others

#### Breakup by Industry Vertical:

- Oil and Gas
- Refining

Power Generation  
Metal and Mining  
Paper and Pulp  
Others

#### Breakup by Region:

North America  
United States  
Canada  
Asia-Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd, Emerson Electric Co., General Electric Company, HIMA Paul Hildebrandt GmbH, Honeywell International Inc., Nov Inc., Rockwell Automation Inc, Schneider Electric SE, Siemens Aktiengesellschaft, Versa Products Company Inc., Winn-Marion Companies and Yokogawa Electric Corporation.

## Key Questions Answered in This Report

1. What was the size of the global emergency shutdown systems market in 2023?
2. What is the expected growth rate of the global emergency shutdown systems market during 2024-2032?
3. What has been the impact of COVID-19 on the global emergency shutdown systems market?
4. What are the key factors driving the global emergency shutdown systems market?
5. What is the breakup of the global emergency shutdown systems market based on the control method?
6. What is the breakup of the global emergency shutdown systems market based on the industry vertical?
7. What are the key regions in the global emergency shutdown systems market?
8. Who are the key players/companies in the global emergency shutdown systems market?

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