

## **Middle East Hazardous Location Motor Starters Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

Market Report | 2023-01-23 | 120 pages | Mordor Intelligence

### **AVAILABLE LICENSES:**

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

### **Report description:**

The Middle East Hazardous Location Motor Starters Market is expected to register a CAGR of 4.5% over the forecast period (2023 - 2028). Hazardous location motors are intended to improve workplace safety by containing explosions within the motor. Different motors are used to meet the needs of various settings and applications. Class I motors are used for settings concerning gases, vapors, or liquids, while Class II motors are intended for areas containing dust, flammable lint, or fibers in the area, such as textile, sawdust, etc.

### **Key Highlights**

The market is being driven by a growing reliance on oil output, which has resulted in the construction of multiple oil plants around the region. All machinery and electrical equipment inside the enclosed oil storage area or structure are permitted for usage in hazardous situations after removing potential sources of ignition and providing necessary equipment. These come with spark-proof or explosion-proof motors with a temperature code attached.

According to the US Energy information administration 2021, Saudi Arabia holds 15% of the world's proven crude oil reserves. It is the world's largest crude oil exporter. It has about 12 million barrels per day of crude oil production capacity, including capacity from the Neutral Zone, which it shares with Kuwait. Saudi Arabia is OPEC's largest crude oil producer and the world's second-largest producer of total petroleum liquids, after the United States.

In September 2021, The Madinah-3, Buraydah-2, and Tabuk-2 sewage treatment plants in Saudi Arabia were awarded to ACCIONA and its local partners Tawzea and Tamasuk for financing building 25-year operation. For a total of USD1 billion, these new contracts were awarded by the Saudi Water Partnership Company (SWPC), a state-owned company (EUR 855 million). The Madinah-3 wastewater treatment plant (WWTP) will be built in Medina, Saudi Arabia's fourth most populous city with over 1.1 million residents, and will treat 200,000 m3/day of urban wastewater.

Explosion-proof motors, including flameproof motors, are designed for use in coal mines where explosive combinations of

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

flammable gases and liquid steams with air are present (zones one and two). A dust-ignition-proof motor is designed to keep dangerous materials out and dust explosions at bay. ABB offers a wide range of dust ignition proof motors, and Ex t motors avoid any dust explosion transfer in the coal preparation process.

However, designing and manufacturing motors that completely engulf an internal explosion without rupturing or passing out any hot gases from the enclosure so that they are forced to exit through a long, narrow opening known as flame paths are the two major challenges faced by hazardous location motors market. Further, the Covid-19 pandemic has also posed several challenges to the studied market, like disruption in the supply chain and increased raw materials prices.

## MEA Hazardous Location Motor Starters Market Trends

### Oil and Gas Market holds Maximum Market Share

Regular electric motors are prone to explosions when used in situations containing flammable elements such as oil and gas fumes or liquids. The implications could vary from modest production interruptions to serious injury and even death.

In November 2021, Egypt raised oil and gas production by up to USD 5 billion. Egypt is an importer of petroleum products and is seeking to close the deficit as much as feasible by renewing and developing these contracts through new agreements over the next five years. Such investments in oil and gas in the region will significantly drive the Motor Starter market.

In Dec 2021, The Abu Dhabi National Oil Company (ADNOC) announced a USD127 billion capital spending plan for 2022-2026, increased oil and natural gas reserves in the United Arab Emirates (UAE). National reserves increased by 4 billion stock tank barrels (STB) of oil and 16 trillion standard cubic feet (SCF) of natural gas, bringing the totals to 111 billion stb and 289 trillion SCF, respectively, according to the state-owned business.

As a result, the region is rapidly using class-I hazardous site motors, which are engineered such that their motor case temperatures do not exceed permissible temperatures for settings with flammable gases, vapors, or liquids.

### Low voltage Motors are Observing Gradual Growth

Various tests have been performed on the motors to determine their efficiency, dependability, and performance in various industries. To prevent premature failure of motors, various tests like Electric Motor Impulse Testing, Electric Motor Rotation Testing, Wound Rotor Electric Motor Testing, and many more have been done to ensure reliable operation and extended motor life. This has affected the growth of low-voltage motors in the market.

In January 2022, The new range of low voltage flameproof motors from ABB is designed for use in potentially explosive environments. The motors are available in IE2 and IE3 efficiency classes, with outputs ranging from 0.18 to 55kW and frame sizes ranging from 80 to 250. The motors are PESO certified and rated for ambient temperatures between -20°C and +45°C.

The developments or incorporation of new features in the products for different power ranges will significantly drive the market. For Example, Siemens has the broadest selection of low-voltage motors. SIMOTICS three-phase motors are prominent for all applications, with power ratings ranging from 0.09 to 5300 kW. For variable-speed operation, the motors can be directly linked to the line supply or fed from SINAMICS converters.

Increased knowledge of green energy sources and crude oil price volatility could lead to positive growth in the low-voltage motor sector. Increasing investment in energy-efficient initiatives to meet the market's continued need may further significantly boost the market.

## MEA Hazardous Location Motor Starters Market Competitor Analysis

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

The Middle East Hazardous Location Motor Starters Market is moderately consolidated, with many market players cornering a minimal market share. The development of regional markets and increasing shares of local players in foreign direct investments are the major factors promoting the fragmented nature of the market.

Feb 2021: Johnson Electric holdings limited launched a new series of Low Voltage DC (LVDC) motors for Smart Furniture. The LVDC motor solutions are designed for actuators used in smart recliners, height-adjustable desks, hospital beds, and other smart furniture products. The new LVDC motor platforms are designed from JE advanced motor technology to deliver high torque, 17% longer life, and low operation noise (<48dBA) in a compact footprint.

Jan 2021: Nidec Motion Control has announced a newly formed Distribution Partnership with Designatronics. Through this partnership, customers will have access to Nidec's low voltage standard DC motors and controllers for industrial automation, robotics, medical technology, safety & security, agriculture, marine, food & beverage, biomass/pellet technology, vending, and more.

Additional Benefits:

The market estimate (ME) sheet in Excel format  
3 months of analyst support

### **Table of Contents:**

#### 1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

#### 2 RESEARCH METHODOLOGY

#### 3 EXECUTIVE SUMMARY

#### 4 MARKET INSIGHTS

- 4.1 Market Overview
- 4.2 Industry Value Chain Analysis
- 4.3 Industry Attractiveness: Porter's Five Forces Analysis
  - 4.3.1 Bargaining Power of Suppliers
  - 4.3.2 Bargaining Power of Buyer
  - 4.3.3 Threat of New Entrants
  - 4.3.4 Intensity of Competitive Rivalry
  - 4.3.5 Threat of Substitute Products
- 4.4 Assessment of the Impact of COVID-19 on the Industry

#### 5 MARKET DYNAMICS

- 5.1 Market Drivers
  - 5.1.1 Growing Safety Measures
  - 5.1.2 Increasing Demand for Energy Efficient Motors
- 5.2 Market Restraints
  - 5.2.1 Regulations and Compliance

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

## 5.2.2 High Installation Cost for Material and Labor in Comparison to Non-Explosion Proof Motors

### 6 MARKET SEGMENTATION

#### 6.1 By Type

##### 6.1.1 Low Voltage Motor Starter

##### 6.1.2 Full Voltage Motor Starter

##### 6.1.3 Manual Motor Starter

##### 6.1.4 Magnetic Motor Starter

##### 6.1.5 Others

#### 6.2 By Class

##### 6.2.1 Class I

##### 6.2.2 Class II

##### 6.2.3 Class III

#### 6.3 By Division

##### 6.3.1 Division 1

##### 6.3.2 Division 2

#### 6.4 By Zone

##### 6.4.1 Zone 0

##### 6.4.2 Zone 1

##### 6.4.3 Zone 21

##### 6.4.4 Zone 21

##### 6.4.5 Zone 22

#### 6.5 By Applications

##### 6.5.1 Paint Storage Areas

##### 6.5.2 Coal Preparation Plants

##### 6.5.3 Sewage Treatment Plants

##### 6.5.4 Oil Refineries

##### 6.5.5 Chemical Storage and Handling Facilities

##### 6.5.6 Grain Elevators

##### 6.5.7 Petrochemical Facilities/Oil Rigs

##### 6.5.8 Others

#### 6.6 By Country

##### 6.6.1 United Arab Emirates

##### 6.6.2 Saudi Arabia

##### 6.6.3 South Africa

##### 6.6.4 Qatar

##### 6.6.5 Others

### 7 COMPETITIVE LANDSCAPE

#### 7.1 Company Profiles

##### 7.1.1 Eaton

##### 7.1.2 Emerson Industrial Automation

##### 7.1.3 WEG Industries

##### 7.1.4 Rockwell Automation

##### 7.1.5 R. Stahl, Inc.

##### 7.1.6 Heatrex

##### 7.1.7 Schneider Electric

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

7.1.8 Siemens  
7.1.9 ABB Group  
7.1.10 GE Industrial Solutions

8 INVESTMENT ANALYSIS

9 MARKET OUTLOOK

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**Middle East Hazardous Location Motor Starters Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

Market Report | 2023-01-23 | 120 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-28"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

