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Middle East Switchgear Market By Insulation (Air Insulated, Gas Insulated, and Others), By Installation (Indoor, Outdoor), By Voltage, (low (up to 1 kV), medium (between 1.1 kV and 40 kV), and high (above 40 kV)), By Current (Alternating current (AC), Direct Current (DC)), By End User (Commercial, Residential, Transmission & Distribution Utilities, Industrial, and Others), By Country, Competition, Forecast, and Opportunities, 2028

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Abstracts

Middle East switchgear market is anticipated to grow at a steady pace during the forecast period of 2024-2028. The surge in the demand for energy across several end-use industries has led to an increased focus on renewable energy solutions that have allowed the acceptance of smart switchgear in the region. Additionally, innovations in smart grid technologies and a growing focus on environmental protection have further boosted the demand for switchgear in the Middle East.

The main use of these switchgear devices is to reduce electric failures and lessen the consequences of faulty currents that pass through the circuits. The region is anticipated to experience an increase in demand for electricity as a result of several international projects & events. For instance, the FIFA (International Federation of Association Football (FIFA) World Cup in Dubai is gaining significant traction. These developments and ongoing and upcoming events are factors propelling the market during the forecast period.

Switchgear is a centralized collection of circuit breakers, fuses, and switches that

function to protect, control, and isolate electrical equipment. Switchgears are circuit protection devices, mounted in metal constructions, which distribute power to different sections of a resource and the electrical loads within those units. A collection of one or more of these structures is known as a line-up or assembled switchgear. Switches are attached directly to the supply system by putting in the low & high-voltage planes of the power transformer. Disconnect the device from power, eliminate the fault, test, and serve. These devices are important in the electrical system to protect the equipment against high currents.

Manual control provision, completely certain discrimination, and entire reliability are some main features of switchgear. The main purpose of switchgear is to safeguard or secure, from the short-circuit, surplus fault currents while defending service to unaffected circuits and to enhance system availability by providing various sources to support a high electricity load. Switches can function in both normal and abnormal conditions, can operate for proper electrical energy utilization, and can be installed in residential, commercial, and industrial locations.

Rising Demand for Safe & Secure Control Distribution Systems

During the forecast period, new high-voltage long-distance transmission systems are predicted to increase market expansion. The durability & performance of the switchgear is largely influenced by the type of raw material used in the manufacturing process. Raw resources are approachable from a variety of sources in enough quantity to satisfy the demands of various businesses. Numerous enterprises are taking up switchgear as a cost-effective solution.

Moreover, the high reliability and efficiency of switchgear, its modular structure with reduced maintenance needs, performance enhancement through technological advancements; government assistance in the form of installation cost subsidies and tax exemptions, and increased penetration of smart switchgear and hybrid switchgear in smart cities of developing economies are driving the market.

Emergence of Digitalization and Digitalized Switchgears

The rapid growth of the substation and switchgear market is expected in the coming years, due to digitization, and several technical solutions have been created that have significantly improved station operation, reduced costs, and made projects more profitable. Digital switches and substations are one such solution that offers multiple benefits to utilities. They are equipped with advanced software solutions that protect

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systems against potential cyber threats and, thus, enhance system security.

In addition, all auxiliary devices of the digital search engine are automated, which makes it possible to implement future technical solutions more quickly. Also, utilities can monitor substation data in real-time and remotely control certain switch functions, this provides operational and financial benefits. Machine controllers can remotely use switchgear equipment which can help to improve the safety and security of the control system.

Apart from this, real-time data monitoring also reduces downtime and increases system reliability. Digital substations and switches have backward compatibility, which enables seamless integration of new communication technology with existing system enablers, enabling mass adoption of digital switches. Due to this, the switchgear market in the Middle East is estimated to grow during the forecast period.

Rising Adoption of Smart Switchgears

The rising demand for smart Internet of Things (IoT) ready switch solutions is one of the main drivers for the growth of the Middle East switchgear market. Due to the continuous development of infrastructure and production facilities, companies are more concerned about adapting smart power distribution products, such as smart switches. An intelligent switch enables real-time monitoring, proactive diagnosis, and precise protection against electrical faults. In addition, many companies enable seamless interaction of devices with building management systems, expand monitoring, and other enterprise-level support systems to regulate electric current and achieve energy savings.

With huge efforts to integrate renewable energy into the grid, the smart switch will act as a catalyst to meet the requirements of high energy efficiency and energy distribution. These smart switches offer cloud connectivity, predictive diagnostics, flexibility, and continuity of service. In addition, the deployment of a smart switch increases availability, making modern utilities more competitive and limiting intervention costs through improved load cycle scheduling and improved reliability. Therefore, the increasing number of smart Internet of Things (IoT) ready switching devices has led to the growth of the Middle East Switchgear Market.

Increasing Infrastructural Development

The Middle East is also investing heavily in infrastructure development. New highways, railways, airports, and other infrastructure projects are being built in the region. These

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investments will increase the demand for switchgear used in these projects to distribute and control electricity. For instance, Abu Dhabi-based property dealer Bloom Holding has opened a gated community in the capital to meet the growing demand for property in the emirate. Bloom Living has more than 4,000 Spanish-style villas, townhouses, and apartments around a large lake. According to the Andalusian city, the first phase of the development, called Cordoba in the UAE capital, is expected to be completed by October 2023. Abu Dhabi International Airport and Zayed City, also known as Khalifa City C. Owing to this investment, the demand for switchgear would increase hence the Middle East switchgear market is projected to grow during the forecast period.

Market Segmentation

The Middle East switchgear market is classified based on insulation, installation, voltage, current, end user, and country. Based on insulation, the market is bifurcated into air-insulated switchgear, gas-insulated switchgear, and others. Based on installation, the market is segmented into indoor and outdoor. Based on voltage, the market is categorized into low (up to 1 kV), medium (between 1.1 kV and 40 kV), and high (above 40 kV). Based on current, the market is segmented into alternating current (AC) and direct current (DC). Based on end user, the market is bifurcated into commercial, residential, transmission & distribution utilities, industrial, and others. Based on country, the market is segmented into Saudi Arabia, UAE, Qatar, Kuwait, Bahrain, Israel, Iran, Iraq, and the Rest of the Middle East.

Market Players

Key players in the Middle East switchgear market are ABB Ltd, Alstom SA, Areva Inc, Crompton Greaves, General Electric Company, Hitachi Energy Ltd, Larsen & Toubro Limited, Eaton Corporation, Legrand, and Mitsubishi Electric Corporation.

Report Scope:

In this report, the Middle East switchgear market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

Middle East Switchgear Market, By Insulation:

Air Insulated

Gas Insulated

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Others

Middle East Switchgear Market, By Installation:

Indoor

Outdoor

Middle East Switchgear Market, By Voltage:

Low (up to 1 kV)

Medium (between 1.1 kV and 40 kV)

High (above 40 kV)

Middle East Switchgear Market, By Current:

Alternating current (AC)

Direct Current (DC)

Middle East Switchgear Market, By End User:

Commercial

Residential

Transmission & Distribution Utilities

Industrial

Others

Middle East Switchgear Market, by Country:

Saudi Arabia

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UAE

Qatar

Kuwait

Bahrain

Israel

Iran

Iraq

Rest of Middle East

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Middle East Switchgear Market.

Available Customizations:

With the given market data on the Middle East switchgear market, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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