

UAE Medium Voltage Substation Market By Component (Circuit Breaker, Protective Relay, Transformer, Switchgear, Others), By Type (Transmission & Distribution), By Category (New, Refurbished), By End Use (Residential, Commercial, Industrial {Metal & Mining, Oil & Gas, Manufacturing & Process Industries}, Others), By Region, By Competition Forecast & Opportunities, 2018-2028F

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Abstracts

UAE Medium Voltage Substation Market is anticipated to grow at a steady pace in the forecast period 2024-2028 & will grow at a very high CAGR in the forecast period. Future megaprojects and sizable-scale initiatives like Al Quoz Creative Zone, Mohammed bin Rashid Al Maktoum Solar Park, Dubai Urban Tech District, Dubai Islands, AlJurf developments Projects, Uptown Tower, Mohammed bin Rashid Library, Natural History Museum Abu Dhabi, Louvre Abu Dhabi Residences, Saadiyat Mixed-Use Development, Sharjah Forest Community, Reem Hills, and Falcon Island, among others, contributed to the market's notable growth in the years that followed. In the UAE area, specifically in Abu Dhabi, Dubai, Sharjah, and the rest of the United Arab Emirates, these developments also raised demand for medium voltage substations.

A substation is part of a system for electrical producing, transmitting, and distributing. Substations alter voltage from high to low or from low to high, based on demand. Between the generating plant and the client, electricity may flow at varying voltage levels through several substations. Transformers, switchgear, circuit breakers, power cables, and safety relays are just a few examples of the equipment that is made up of and which helps in the transmission and distribution of energy.

Increasing Demand for Electricity

The UAE's rapid increase in electricity demand is anticipated to accelerate the development of medium voltage substations. The demand for energy is rising as a result of the nation's growing urbanisation and ongoing industry. The need for electricity is also anticipated to rise as a result of the rapid infrastructural development, the expanding transportation and manufacturing sectors. This is projected to present an opportunity for the medium voltage substation market in the near future.

Refurbishment & Retrofit of Existing Grid Infrastructure

The UAE's market for medium voltage substations is expected to be stimulated by ongoing trends toward improving the grid infrastructure. As the country's population expands more quickly and as vital infrastructure, like trains, ports, and energy facilities, rises at a faster rate, a reliable supply of power is necessary to support further growth. The need for medium voltage substations expected to surely rise across the country as a result of the significant investment that must be made in state-of-the-art transmission and distribution infrastructure. Establishment of Networks with Sustainable Energy Infrastructure

During the projected period, it is predicted that the creation of various energy networks and the incorporation of sustainable technologies like solar and other renewable energies would increase the demand for medium voltage substations throughout the UAE. Additionally, it is projected that the government's increased emphasis on diversifying the country's economy away from hydrocarbons, supporting resource conservation, and encouraging the increased use of solar energy would accelerate the development of the medium voltage substation in the nation.

Focus on Modernizing Electrification

The increased requirement for electrification, upcoming substation replacements, and rising need for safe and reliable power distribution networks are some of the main underlying factors influencing the market growth. The market is expanding due to rising demand for circuit protection devices, declining competition from manufacturers of insulating technologies, and growing public awareness is helping to rising the market of medium voltage substation market in the upcoming years.

Medium voltage substations are also having a favourable impact on the market's

expansion. The improvement of the intensity control system will be necessary to integrate renewable energy sources into the electrical grid, which is expected to boost UAE demand for medium voltage substations. During the forecast period, raw material costs and pricing restrictions can prevent the market from growing. The upgrading of the power grid and significant investments in transmission and distribution are expected to cause the medium voltage substation sector in UAE to expand at a significant rate over the course of the projected period. The utility and commercial sectors, including new hotels, hospitals, museums, and public infrastructure, will employ medium voltage substations much more frequently. Although medium voltage substations are used more often than traditional substations in the commercial and industrial sectors, there is also significant opportunity for market expansion.

Market Segmentation

The UAE Medium Voltage Substation Market is divided into Component, Type, Category and End Use. Based on Component, the market is divided into Circuit Breaker, Protective Relay, Transformer, Switchgear, and Others. Based on Type, the market is segmented into Transmission and Distribution. Based on Category, the market is segmented into New and Refurbished. Based on End Use, the market is segmented into Residential, Commercial, Industrial, and Others. Further, the industrial sub-segment is segregated into Metal & Mining, Oil & Gas, and Manufacturing & Process Industries.

Market Players

Major market players in the UAE Medium Voltage Substation Market are ABB Ltd, Hyosung Corporation, Alstom SA, Siemens AG, CG Power & Industrial Ltd, General Electric, Mitsubishi Electric Corporation, Toshiba International Corporation, Eaton FZE Middle, AL FANAR ELECTRIC (L. L. C), Larsen & Toubro Limited, Hitachi Industrial Equipment Systems Co. Ltd, and Al-Ahleia Switchgear Co.

Report Scope:

In this report, the UAE Medium Voltage Substation Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

UAE Medium Voltage Substation Market, By Component:

Circuit Breaker

Protective Relay

Transformer

Switchgear

Others

UAE Medium Voltage Substation Market, By Type:

Transmission

Distribution

UAE Medium Voltage Substation Market, By Category:

New

Refurbished

UAE Medium Voltage Substation Market, By End Use:

Residential

Commercial

Industrial

Metal & Mining

Oil & Gas

Manufacturing & Process Industries

Others

UAE Medium Voltage Substation Market, By Region:

Dubai

Abu Dhabi

Sharjah

Rest of UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the UAE Medium Voltage Substation Market.

Available Customizations:

UAE Medium Voltage Substation market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

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