

Modular Substation Market by Application (Power Utilities, Commercial, Industrial), Voltage (11-33kV, 33-400kV, & above 400kV), Type (Trailer Mounted & Fixed), Insulation (Air-insulated & Gas-insulated), & by Region - Global Trends and Forecast to 2020

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Abstracts

Modular substation is cost effective, compact and a smart replacement for the traditional substation with many technical and commercial benefits. It is a ready to install product and can reduce the spatial requirement up to 30%. Reduced maintenance, high level of safety from cyber-attacks, and real-time monitoring are some of the benefits that distinguish modular substation from a traditional substation. Modular substation is an ideal solution for smart cities as well as traditional networks which require technical upgrades. Such solution proves to be cost effective and increase the reliability on the T&D networks with reduced downtimes and power outages.

Aging infrastructure requiring refurbishment & replacement and high rate of industrialization & urbanization are the key growth drivers for this market. The most commonly used modular substation includes 33kV-400kV substations and gas-insulated modular substations.

Leading players in the modular substation market include ABB Ltd. (Switzerland), Eaton Corporation (Ireland), Siemens AG (Germany), General Electric Company (U.S.), and Crompton Greaves Limited (India). The report provides their recent developments and other strategic industry activities.

Major economies in Asia-Pacific have huge demand for compact and power efficient solutions pushing the demand for modular substation. Asia-Pacific is likely to lead the modular substation market in 2015 and is projected to grow at the highest CAGR till

2020. This growth can be attributed to the utilization of modular substation in the developing countries such as China, Indian, Japan, Australia, and Malaysia, among others. Increasing investments in power sector from the Middle East and South America regions is also driving the growth of modular substation market.

The report includes Porter's Five Force model, PESTEL and value chain analyses. It also describes competitive landscape of major market players including new product developments, mergers and acquisition, facility expansion, agreements and collaborations, and contracts signed. Key developments have been mapped against the market players involved to determine the growth strategies implemented by the leaders within the segment. The study provides a review of major market drivers, restraints, opportunities, and challenges.

Scope of the Report:

The global modular substation (Compact substation) market is analyzed in terms of revenue (USD million) for the following segments: application, voltage level, type, insulation type, and region.

By Application

Power Utilities

Commercial

Industrial

By Voltage Level

11 kV-33 kV

33 kV-400 kV

Above 400 kV

By Type

Skid/Trailer Mounted

Fixed

By Insulation Type

Gas-insulated modular substations

Air-insulated modular substations

By Region

North America

Europe

Asia-Pacific

Middle East

South America

Africa

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