

Global Modular Substations Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014-2025

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Abstracts

A substation is the part of an electrical generation, transmission, and distribution system, which has transformers and several other components that help to either lower down the voltage or increase it. Modular substations are replacing conventional substations because of their additional advantages of flexibility, scalability, and reliability. Modular substations are cost-effective, safer, provide time, space, and labor saving options for the already built, to be replaced or an addition of capacity to the existing system. The global modular substations market is expected to grow at a CAGR of 9.1% from 2017 to 2025.

The global modular substations market is segmented based on type, voltage, insulation, application, and geography. By type, the market is segmented as skid/trailer mounted and fixed. Voltage-based classification yields 11-33kV, 33-400kV, and above 400kV. Based on insulation, the modular substation is divided as air-insulated and gas-insulated substations. Based on application, the market is bifurcated into power utilities, commercial, and industrial applications. Geographic breakdown and deep analysis of each of the aforesaid segments have resulted in the following regions: North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Urbanization and industrialization is expected to increase the demand for modular substations.

Ageing infrastructure requires replacement and refurbishment,

which in turn, is expected to drive the market during the forecast period.

Restraints:

Adoption of new technology is projected to increase the energy cost for consumers, which may result in the slowdown of modular substations market during the forecast period.

Lack of standardization is also expected to reduce the demand for the modular substations during the forecast period.

MARKET PLAYERS:

The top players in the global modular substations market include Modpower Solutions., Eaton Corporation PLC, Siemens AG, General Electric Co., Crompton Greaves Limited, Bharat Heavy Electricals Limited, SPX Transformer Solutions Inc., Creative Distribution Automation Co. Ltd., Skema S.P.A., and American Modular Power Solutions Inc.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Type

Skid/Trailer Mounted Modular Substations

Fixed Modular Substations

By Voltage

11-33kV

33-400kV

Above 400kV

By Insulation

Air-insulated

Gas-insulated

By Application

Power Utilities

Commercial

Industrial

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

India

South Korea

Japan

Rest of Asia-Pacific

LAMEA

Brazil

Africa

Turkey

Rest of LAMEA

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