

Mobile Substation Market by Application (Industrial (Metals & Mining, Oil & Gas, Construction, Port, and Data Centers), and Utilities), and Region (Middle East & Africa, Americas, Europe, and Asia Pacific) - Global Forecast to 2023

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Abstracts

Mobile substation market to exhibit steady growth between 2018 and 2023

The mobile substation market is expected to grow from USD 789.3 million in 2018 to USD 1,136.9 million by 2023, at a CAGR of 7.57% between 2018 and 2023. Factors driving the growth of this market include the cost effectiveness, time-saving, flexibility, and easy installation of mobile substations. Moreover, a mobile substation is a trailer mounted power solution and thus can be installed in limited space and also can be easily relocated without difficulty. However, the maintenance of mobile substation is very crucial, as any small failure may cause serious disturbances as immediate availability of technical expertise is majorly difficult.

Metals & mining industry is expected to have a high demanding for mobile substations

Oil & Gas and metals & mining, among others are industrial applications of mobile substations. Industrial metals, such as copper and steel are expected to be a part of the economic growth in China and Brazil. South America has also shown significant increase in demand for basic mined commodities. Trolley assist is one of the applications in the metals & mining industry wherein a mobile substation is used to supply power. The mobile substation market is expected to find lucrative opportunities in metals & mining industry.

Americas expected to account for a significant share of the mobile substation market

during the forecast period

Metals & mining from this region is one of the prominent markets for mobile substations. In 2015, Americas constituted 3.7 billion metric tons in the total mineral production. Need for reliable and robust power sources on metals & mining sites are expected to propel the mobile substation market. Mobile substations can be easily relocated once work is completed. Moreover, construction, data centers, and ports also require mobile substations. The increasing consumption of electricity and the need for reliable power supply fuel the growth of mobile substation market in the US. North America is one of the prominent markets for mobile substations along with the utility sector and industrial application. General Electric (US), Delta Star (US), ELGIN Power Solutions (US), Atlas Electric (US), and Powell Industries (US) are some of the mobile substation manufacturers from North America region.

The breakup of the profiles of primary participants for the report has been given below:

By Company Size: Tier 1 = 23%, Tier 2 = 30%, and Tier 3 = 47%

By Designation: C-Level Executives = 45%, Directors = 36%, and Others = 19%

By Region: North America = 20%, Europe = 25%, APAC = 15%, and RoW = 40%

The mobile substation market is led by various players according to their core competencies. Key players in this market are Siemens (Germany), ABB (Switzerland), Eaton (Ireland), General Electric (US), CG Power (India), and MEIDENSHA (Japan).

Moreover, other players, such as WEG (Brazil), Nari Group (China), TGOOD (Hong Kong), Powell Industries (US), AZZ Inc. (US), Elgin Power Solutions (US), Efacec (Portugal), and Matelec Group (Lebanon) play a significant role in the mobile substation market.

Research Coverage:

The report on the global mobile substation market covers different segments—application and geography. On the basis of application, the mobile substation market has been classified into utilities and industrial applications. The report covers 4 major geographic regions—Americas, Europe, APAC, and Middle East & Africa.

Key Benefits of Buying the Report:

Illustrative segmentation, analysis, and forecast for the market based on application and geography have been conducted to provide an overall view of the mobile substation market.

The value chain analysis has been included in the report to provide an in-depth insight into the mobile substation market.

Major drivers, restraints, opportunities, and challenges of the mobile substation market have been detailed in this report.

A detailed competitive landscape, along with key players and their revenues and growth strategies, has been included in the report.

Key players in the mobile substation market have been profiled, including their recent developments, product launches, and SWOT analysis. Also, MnM view on these players has been included.

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About

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Key players in this market are

Siemens (Germany)

ABB (Switzerland)

Eaton (Ireland)

General Electric (US)

CG Power (India)

MEIDENSHA (Japan)

WEG (Brazil)

AZZ (US)

TGOOD (Hong Kong)

Powell Industries (US)

Elgin Power Solutions (US)

Matelec Group (Lebanon)

Aktif Group (Turkey)

PME Power Solutions (India)

EKOS Group (Turkey)

Efacec (Portugal)

Delta Star (US)

Market for utilities application expected to grow at higher CAGR during the forecast period

Mobile substations can be useful for emergency response as back-up units and are also useful in cases where the energy distribution requires to be provided or reinstated in a short span of time. Mobile substations are utilized in both, utilities and industrial applications. Planned maintenance, disaster response, rapid expansion of transmission capacity are some use cases where mobile substations have delivered proven outcomes for utilities.

Mobile substations are used to provide temporary power supply during unplanned repairs. Moreover, in the times of planned maintenance, mobile substations can reduce or even eliminate the need for extended electricity outages.

Various companies, including Siemens, General Electric, Eaton, and MEIDENSHA provide mobile substations to the utility industry. For instance, in 2017 Siemens delivered 2 mobile substations for National Grid SA, the transmission operator of Saudi Electricity Co. Siemens is expected to design 2, 380kV mobile substations with transformer rating of 502 MVA each. General Electric supplied several mobile substations in the utility sector including for Saudi Electricity Company from Saudi Arabia and E.ON SE electric project in Spain.

Mobile substation market in the Middle East & Africa to grow at the highest CAGR during forecast period

Mobile Substation Market by Application (Industrial (Metals & Mining, Oil & Gas, Construction, Port, and Data...

Middle East & Africa not only account for the largest market share followed by the Americas but is also expected to grow at the highest CAGR during the forecast period. Rapid electrification in Africa along with demand from the metals & mining industry in Africa is expected to drive the growth of the global mobile substation market.

Politically unstable situations in Middle East countries, such as Iraq, are reducing day by day and the government is making efforts to provide basic amenities. As a part of this, in 2017 the Ministry of Electricity, Iraq ordered 12 mobile substations for its utilities. This increase in power supply due to the installation of new substations are expected to overcome power shortage issues in Iraq. Moreover, in 2014 Ministry of Electricity, Iraq ordered 16 mobile substations from CG Power (India).

These substations are expected to be deployed throughout Iraq for utilities and industries to provide interim grid connections and temporary power supplies. Recently, in 2017 the Aktif Group delivered 10 mobile substations to the Ministry of Electricity Iraq. Countries such as Angola, Algeria, Mozambique, and Libya, among others are also leading to the high demand for mobile substations.

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