

Global Gas Insulated Transformer Market Size study & Forecast, by Voltage (Low Voltage (Up to 72.5 KV), Medium Voltage (72.5 KV - 220 KV), and High Voltage (Above 220 KV)) by Installation(Indoor and Outdoor), by End User(Industrial, Commercial, and Utility), and Regional Analysis, 2022-2029

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Abstracts

Global Gas Insulated Transformer Market is valued approximately USD 3.18 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 6.8% over the forecast period 2022-2029. Gas insulated transformers are electrical appliances that alter voltage based on the task at hand. The transformer's current design calls for the use of SF6 gas as insulation. An environmentally beneficial replacement for classic or typical oil insulated transformers is a Gas Insulated Transformer (GIT). When non-flammable, non-polluting transformers are needed, gas insulated transformers are employed. The Gas Insulated Transformer market is expanding because of factors such as rising demand electricity across the globe, rising electrical network expenditure and Increasing Investments in the transmission and distribution Sector.

The Madrid plan project was created by Spanish utility Iberdrola in coordination with the local government and the city of Madrid. The Villaverde substation is a part of this project. The proposal calls for an underground cable network to take the place of extra-high-voltage and high-voltage transmission lines that span Madrid. 16 air-insulated substations could be demolished, and 18 new indoor substations could be constructed. Further, for the development of the Assam Intra-State Transmission System Enhancement project, which aims to increase the reliability, capacity, and security of the power transmission network in the northeastern state of Assam, the Indian government signed a loan agreement with the Asian Development Bank (ADB) for USD 304 million.

This came after ADB's USD 190 million loan for Bengaluru's electricity distribution system's upgrade and modernization in December 2020 and a USD 132.8 million loan for Meghalaya's power distribution network's improvement in the northeastern state. Thus, rising investment in electricity projects is driving the growth of market. In addition, increasing transformer oil theft and adoption of Hvdc Technology is creating a lucrative growth to the market. However, environmental regulations regarding the use of sf6 and high cost of equipment stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Gas Insulated Transformer Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific is the dominating region in the market owing to factor as over the past few years, there has been a significant increase in the demand for power due to the region's fast development and urbanization. As a result, throughout the same time-period, investments in transmission and distribution (T&D) infrastructure have increased dramatically. Gas-insulated transformers are also gaining popularity as long-distance T&D projects strive to be more environmentally friendly by minimizing their negative environmental effects and enhancing safety by building underground networks and smaller substations.

Major market player included in this report are:

Nissin Electric Co., Ltd
Arteche Group
Hyosung Heavy Industries Corp.
Meidensha Corp.
Mitsubishi Electric Corporation
Trench Group
Chint Group
Toshiba Corp
Takaoka Toko Co., Ltd
Shihlin Electric & Engineering Corp.

Recent Developments in the Market:

In May 2022, The foundation of Arteche Hitachi Energy Instrument Transformers S.L., the successor of Arteche Gas Insulated Transformers, has been approved by regulatory bodies, concluding all necessary procedures (AGIT). Through this partnership, Arteche and Hitachi Energy are hastening the advancement of ecologically friendly, sustainable gas-insulated transformers.

In December 2021, manufacturers of AIS Instrument Transformers Pfiffner and Trench

have jointly issued a declaration regarding SF6-free transformers. SF6 is typically utilised in AIS High Voltage Instrument Transformers due to its safety features. SF6 is, nevertheless, regarded as a gas that, when released into the atmosphere, contributes to global warming.

Global Gas Insulated Transformer Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Voltage, Installation, End User, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Voltage offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Voltage:

Low Voltage (Up to 72.5 KV)

Medium Voltage (72.5 KV - 220 KV)

High Voltage (Above 220 KV)

By Installation:

Indoor

Outdoor

By End Use:

Industrial

Commercial

Utility

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

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