

Global IGBT & Thyristor Market Size study, By Type (High Power, Medium Power, Low Power), By Application (Flexible AC Transmission System (FACTS), HVDC), and Regional Forecasts 2022-2028

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Abstracts

Global IGBT & Thyristor Market is valued at approximately USDXX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028. IGBT (Insulated Gate Bipolar Transistor) and Thyristor are two variety of semiconductor devices that comprises three terminals and are primarily adopted for controlling currents. The rising inclination toward the adoption of electric and hybrid electric vehicles, increasing implementation of smart grid technology, and growing government initiatives toward the replacement of conventional power infrastructure are the major driving factors for the market growth across the globe. For instance, as per Statista, in 2018, the smart grid technology market stood at USD 7.6 billion in North America and USD 5.6 billion in the Asia Pacific. Also, the amount is projected to reach USD 16.8 billion in North America and USD 17.9 billion in the Asia Pacific by 2023. Consequentially, the thriving growth of smart grid technology is bolstering the IGBT & Thyristor Market demand in the near future. However, high infrastructure development costs and a lack of awareness regarding the availability of emerging technologies impede the growth of the market over the forecast period of 2022-2028. Also, the growing adoption of renewable energy sources and the development of the emerging economies are anticipated to act as catalyzing factors for the market demand during the forecast period.

The key regions considered for the global IGBT & Thyristor Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia-Pacific is the leading region across the world in terms of market share owing to the high wind & solar power generation capabilities and rising adoption of electric and hybrid vehicles.

Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the rising government support, as well as growth of the countries like South Korea, India, Japan, and China, would create lucrative growth prospects for the IGBT & Thyristor Market across the Asia-Pacific region.

Major market players included in this report are:

Infineon Technologies AG
Fuji Electric Co., Ltd.
Mitsubishi Electric Corporation
STMicroelectronics
Renesas Electronics Corporation
Vishay Intertechnology
ABB Ltd
Hitachi, Ltd.
Toshiba Corporation
Danfoss

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

High Power
Medium Power
Low Power

By Application:

Flexible AC Transmission System (FACTS)
HVDC

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

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020
Base year – 2021
Forecast period – 2022 to 2028

Target Audience of the Global IGBT & Thyristor Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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