

# **Global Wide-Bandgap Power (WBG) Semiconductor Devices market (By Materials- Diamond Substrate, Silicon Carbide(SiC), Zinc Oxide, Gallium Nitride (GAN), Others. By Application- Renewable Energy, Automotive, Uninterruptable Power Supply, Industrial Motor Drives, Power Factor Correction, and others) – Global Industry Analysis, Size, Share, Growth, Trends, and Forecast, 2017 – 2025”**

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## **Abstracts**

The report covers the analysis and forecast of the Wide - Bandgap Power (WBG) Semiconductor Devices market on global as well as regional level. The study provides historic data of 2016 along with the forecast for the period between 2017 and 2025 based on revenue (US\$ Mn).

The study provides a detailed view of the Wide - Bandgap Power (WBG) Semiconductor Devices market, by segmenting it based on by material, by application and regional demand. Wide - Bandgap Power (WBG) Wide-bandgap semiconductors (WBG) are semiconductor devices which have comparatively large band gap if compared to typical semiconductors. For instance, diamond, silicon carbide (SiC), zinc oxide and gallium nitride (GAN) are wide bandgap power semiconductors. Development and launch of new products by major players present in the market, is also expected to make the Wide - Bandgap Power (WBG) Semiconductor Devices market more demanding in the near future.

Regional segmentation includes the current and forecast demand for North America, Europe, Asia Pacific, Middle East and Africa and Latin America. The segmentation also

includes by product, by material, by frequency, by application. These include different business strategies adopted by the leading players and their recent developments.

A comprehensive analysis of the market dynamics that is inclusive of market drivers, restraints, and opportunities is part of the report. Additionally, the report includes potential opportunities in the Wide - Bandgap Power (WBG) Semiconductor Devices market at the global and regional levels. Market dynamics are the factors which impact the market growth, so their analysis helps understand the ongoing trends of the global market. Therefore, the report provides the forecast of the global market for the period from 2017 to 2025, along with offering an inclusive study of the Wide - Bandgap Power (WBG) Semiconductor Devices market.

The report provides the size of the Wide - Bandgap Power (WBG) Semiconductor Devices market in 2017 and the forecast for the next eight years up to 2025. The size of the global Wide - Bandgap Power (WBG) Semiconductor Devices market is provided in terms of revenue. Market revenue is defined in US\$ Mn. The market dynamics prevalent in North America, Europe, Asia Pacific, Middle East and Africa and Latin America has been taken into account in estimating the growth of the global market.

Market estimates for this study have been based on revenue being derived through regional pricing trends. The Wide - Bandgap Power (WBG) Semiconductor Devices market has been analyzed based on expected demand. Bottom-up approach is done to estimate the global revenue of the Wide - Bandgap Power (WBG) Semiconductor Devices market, split into regions. Based on material, application, the individual revenues from all the regions is summed up to achieve the global revenue for Wide - Bandgap Power (WBG) Semiconductor Devices market. Companies were considered for the market share analysis, based on their innovation and application and revenue generation. In the absence of specific data related to the sales of Wide - Bandgap Power (WBG) Semiconductor Devices by several privately held companies, calculated assumptions have been made in view of the company's penetration and regional presence.

The report covers a detailed competitive outlook that includes the market share and company profiles of key players operating in the global market are Cree Inc., Exagan, GaN Systems, GeneSiC Semiconductor Inc., Infineon Technologies, AG, Microsemi Corporation, Monolith Semiconductor Inc., ROHM Co, Ltd., STMicroelectronics, Texas Instruments, Transphorm, United Silicon Carbide Inc., Qorvo, Inc., and others.

The global Wide - Bandgap Power (WBG) Semiconductor Devices market has been segmented into:

#### Global Wide-Bandgap Power (WBG) Semiconductor Devices Market: By Material

Diamond Substrate

Silicon Carbide (SiC)

Zinc Oxide

Gallium Nitride (GAN)

Others

#### Global Wide-Bandgap Power (WBG) Semiconductor Devices Market: By Application

Renewable Energy

Automotive

Uninterruptable Power Supply

Industrial Motor Drives

Power Factor Correction

Others

#### Global Wide - Bandgap Power (WBG) Semiconductor Devices Market: By Geography

North America

U.S.

Canada

Mexico

Europe

U.K.

France

Germany

Italy

Rest of Europe

Asia Pacific

India

China

Japan

Rest of Asia Pacific

Middle East and Africa

South Africa

Rest of Middle East and Africa

Latin America

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