

# Global Integrated Gate-commutated Thyristors (IGCT) Modules Market Growth 2024-2030

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## Abstracts

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Integrated Gate-Commutated Thyristor (IGCT) modules are power electronic devices used in high-power applications such as motor drives, renewable energy systems, and power transmission systems. They are a type of thyristor, which is a semiconductor device used for controlling large amounts of electrical power.

What sets IGCTs apart from traditional thyristors is their integrated gate-commutated capability. This means they have the ability to switch off (commutate) the current flowing through them by controlling the gate signal, unlike conventional thyristors which rely on external circuitry for turn-off. This feature makes IGCTs more versatile and easier to control in various power applications.

IGCT modules typically consist of multiple IGCTs connected in parallel along with associated gate drivers, snubber circuits, and thermal management systems. They are designed to handle high voltages and currents, making them suitable for demanding applications where precise control and high reliability are essential.

The global Integrated Gate-commutated Thyristors (IGCT) Modules market size is projected to grow from US\$ 469 million in 2024 to US\$ 718 million in 2030; it is expected to grow at a CAGR of 7.4% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Integrated Gate-commutated Thyristors (IGCT) Modules Industry Forecast" looks at past sales and reviews total world Integrated Gate-commutated Thyristors (IGCT) Modules sales in 2023, providing a comprehensive analysis by region and market sector of projected Integrated Gate-

commutated Thyristors (IGCT) Modules sales for 2024 through 2030. With Integrated Gate-commutated Thyristors (IGCT) Modules sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Integrated Gate-commutated Thyristors (IGCT) Modules industry.

This Insight Report provides a comprehensive analysis of the global Integrated Gate-commutated Thyristors (IGCT) Modules landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Integrated Gate-commutated Thyristors (IGCT) Modules portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Integrated Gate-commutated Thyristors (IGCT) Modules market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Integrated Gate-commutated Thyristors (IGCT) Modules and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Integrated Gate-commutated Thyristors (IGCT) Modules.

United States market for Integrated Gate-commutated Thyristors (IGCT) Modules is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Integrated Gate-commutated Thyristors (IGCT) Modules is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Integrated Gate-commutated Thyristors (IGCT) Modules is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Integrated Gate-commutated Thyristors (IGCT) Modules players cover Hitachi Energy, CSR Zhuzhou Institute Co, Ltd. (CRRC), etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Integrated Gate-commutated Thyristors (IGCT) Modules market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Asymmetric IGCT

Reverse Block IGCT

Reverse Conduction IGCT

Segmentation by Application:

Industrial

Energy

Rail Transit

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its

market penetration.

Hitachi Energy

CSR Zhuzhou Institute Co, Ltd. (CRRC)

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Integrated Gate-commutated Thyristors (IGCT) Modules market?

What factors are driving Integrated Gate-commutated Thyristors (IGCT) Modules market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Integrated Gate-commutated Thyristors (IGCT) Modules market opportunities vary by end market size?

How does Integrated Gate-commutated Thyristors (IGCT) Modules break out by Type, by Application?

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