

# Global HVDC Devices Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global HVDC Devices market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

**Renewable Energy Integration:** The transition towards renewable energy sources such as wind and solar power was driving the need for efficient long-distance electricity transmission. HVDC technology enables the integration of remote renewable energy resources into existing power grids by overcoming transmission constraints and reducing power losses over long distances.

**Grid Modernization Initiatives:** Increasing investments in grid modernization projects, particularly in aging infrastructure regions, were driving the adoption of HVDC transmission systems. HVDC devices facilitate the upgrade and expansion of power transmission networks, improving grid reliability, stability, and capacity while enabling the integration of renewable energy and distributed generation resources.

The Global Info Research report includes an overview of the development of the HVDC Devices industry chain, the market status of Overhead Transmission (Voltage-Source Converters (VSC), Converter Transformers), Underground Transmission (Voltage-Source Converters (VSC), Converter Transformers), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of HVDC Devices.

Regionally, the report analyzes the HVDC Devices markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global

HVDC Devices market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the HVDC Devices market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the HVDC Devices industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Voltage-Source Converters (VSC), Converter Transformers).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the HVDC Devices market.

**Regional Analysis:** The report involves examining the HVDC Devices market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the HVDC Devices market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to HVDC Devices:

**Company Analysis:** Report covers individual HVDC Devices players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards HVDC Devices This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Overhead Transmission,

Underground Transmission).

**Technology Analysis:** Report covers specific technologies relevant to HVDC Devices. It assesses the current state, advancements, and potential future developments in HVDC Devices areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the HVDC Devices market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

### Market Segmentation

HVDC Devices market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

#### Market segment by Type

Voltage-Source Converters (VSC)

Converter Transformers

HVDC Converter Stations

Other

#### Market segment by Application

Overhead Transmission

Underground Transmission

Subsea Transmission

Market segment by players, this report covers

Hitachi ABB Power Grids

Siemens

Prysmian Group

XD Group

GE Grid Solution

TBEA

Xuji Group

Nexans

NKT

Toshiba Energy Systems & Solutions

Mitsubishi Electric

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe HVDC Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of HVDC Devices, with revenue, gross margin and global market share of HVDC Devices from 2019 to 2024.

Chapter 3, the HVDC Devices competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and HVDC Devices market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of HVDC Devices.

Chapter 13, to describe HVDC Devices research findings and conclusion.

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