

Global HVDC Systems Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global HVDC Systems market size was valued at USD 9179.3 million in 2023 and is forecast to a readjusted size of USD 14150 million by 2030 with a CAGR of 6.4% during review period.

HVDC system enables utilities to move more power further, interconnect grids, integrate renewables, and improve network performance. HVDC systems utilize power electronics technology to convert AC and DC voltage, and are ideal for supporting existing systems or building new power highways.

The Global Info Research report includes an overview of the development of the HVDC Systems industry chain, the market status of Underground Power Transmission (Point-to-Point Transmission, Back-to-Back Station), Overhead Transmission (Point-to-Point Transmission, Back-to-Back Station), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of HVDC Systems.

Regionally, the report analyzes the HVDC Systems 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 Systems market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the HVDC Systems 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 Systems 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 sales quantity (GWh), revenue generated, and market share of different by Type (e.g., Point-to-Point Transmission, Back-to-Back Station).

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 Systems market.

Regional Analysis: The report involves examining the HVDC Systems 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 Systems 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 Systems:

Company Analysis: Report covers individual HVDC Systems manufacturers, 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 Systems This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Underground Power Transmission, Overhead Transmission).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers,

the report present insights into the competitive landscape of the HVDC Systems 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 Systems 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 volume and value.

Market segment by Type

- Point-to-Point Transmission

- Back-to-Back Station

- Multi-Terminal System

Market segment by Application

- Underground Power Transmission

- Overhead Transmission

- Offshore Power Transmission

- Other

Major players covered

- General Electric Co

- Siemens AG

ABB Ltd

Mitsubishi Electric Corporation

Toshiba Corporation

American Superconductor Corp

Hitachi Ltd

Schneider Electric

Prysmian Group

NR Electric Co

Sumitomo Electric industries

Nexans SA

NKT A/S

LS Industrial Systems Co

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

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

Chapter 2, to profile the top manufacturers of HVDC Systems, with price, sales, revenue and global market share of HVDC Systems from 2019 to 2024.

Chapter 3, the HVDC Systems competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the HVDC Systems breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and HVDC Systems market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of HVDC Systems.

Chapter 14 and 15, to describe HVDC Systems sales channel, distributors, customers, research findings and conclusion.

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