

# Global High Voltage Direct Current (HVDC) Valves 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 High Voltage Direct Current (HVDC) Valves market size was valued at USD 161.5 million in 2023 and is forecast to a readjusted size of USD 252.7 million by 2030 with a CAGR of 6.6% during review period.

**Increasing Demand for HVDC Transmission:** The growing need for long-distance, high-capacity power transmission was driving the demand for HVDC systems globally. HVDC technology offers advantages such as lower transmission losses, improved grid stability, and enhanced integration of renewable energy sources, driving the deployment of HVDC transmission projects and, consequently, the demand for HVDC valves.

**Expansion of Renewable Energy Infrastructure:** The expansion of renewable energy infrastructure, particularly offshore wind farms, was driving the need for HVDC transmission systems to connect remote renewable energy sources to onshore grids. HVDC valves play a critical role in these systems by converting and controlling the flow of power between AC and DC transmission systems, facilitating the integration of renewable energy into the grid.

The Global Info Research report includes an overview of the development of the High Voltage Direct Current (HVDC) Valves industry chain, the market status of Overhead Transmission (Mercury Arc Valves, Thyristor Valves), Underground Transmission (Mercury Arc Valves, Thyristor Valves), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of High Voltage Direct Current (HVDC) Valves.

Regionally, the report analyzes the High Voltage Direct Current (HVDC) Valves 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 High Voltage Direct Current (HVDC) Valves market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the High Voltage Direct Current (HVDC) Valves 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 High Voltage Direct Current (HVDC) Valves 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 (K Units), revenue generated, and market share of different by Type (e.g., Mercury Arc Valves, Thyristor Valves).

**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 High Voltage Direct Current (HVDC) Valves market.

**Regional Analysis:** The report involves examining the High Voltage Direct Current (HVDC) Valves 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 High Voltage Direct Current (HVDC) Valves market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to High Voltage Direct Current (HVDC) Valves:

**Company Analysis:** Report covers individual High Voltage Direct Current (HVDC)

Valves 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 High Voltage Direct Current (HVDC) Valves 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 High Voltage Direct Current (HVDC) Valves. It assesses the current state, advancements, and potential future developments in High Voltage Direct Current (HVDC) Valves areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the High Voltage Direct Current (HVDC) Valves 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

High Voltage Direct Current (HVDC) Valves 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

Mercury Arc Valves

Thyristor Valves

Other

### Market segment by Application

Overhead Transmission

Underground Transmission

Subsea Transmission

#### Major players covered

ABB

Siemens

GE Grid Solution

BHEL

Orano

Toshiba

Mitsubishi

XJ Electric

Nari Technology

#### 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 High Voltage Direct Current (HVDC) Valves product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High Voltage Direct Current (HVDC) Valves, with price, sales, revenue and global market share of High Voltage Direct Current (HVDC) Valves from 2019 to 2024.

Chapter 3, the High Voltage Direct Current (HVDC) Valves competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High Voltage Direct Current (HVDC) Valves 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 High Voltage Direct Current (HVDC) Valves 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 High Voltage Direct Current (HVDC) Valves.

Chapter 14 and 15, to describe High Voltage Direct Current (HVDC) Valves sales channel, distributors, customers, research findings and conclusion.

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