

# Global HVDC Transmission System Market Research Report 2022 Professional Edition

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# **Abstracts**

The global HVDC Transmission System market was valued at 772.63 Million USD in 2021 and will grow with a CAGR of 9.33% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact wwhich will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market verdors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

HVDC Transmission System uses direct current for the bulk transmission of electrical power, in contrast with the more common alternating current (AC) systems. For longdistance transmission, HVDC systems may be less expensive and suffer lower electrical losses. For underwater power cables, HVDC avoids the heavy currents required to charge and discharge the cable capacitance each cycle. For shorter distances, the higher cost of DC conversion equipment compared to an AC system may still be justified, due to other benefits of direct current links. The increasing demand for costeffective solutions for long distance power transmission and integration of VSC technology across grids to enable system security are the major factors that drives the HVDC transmission system market. In Asia Pacific (APAC), China and India are the major contributors to the growth of the HVDC transmission system market due to the growing demand for power in these countries. Some other factors affecting the growth of the market in this region include aging power infrastructure, increase in power consumption pattern, economic uncertainties, and low carbon emission initiatives. High power quality along with reliable and stable power transmission are some of the key requirements in the power industry. This factor is driving the growth of the HVDC



transmission market in the APAC region. In China and India, high-power rating projects are more popular as it can supply more power for the huge population. While in Europe, most projects are the low-power rating projects and used for the new energy transmission like the wind energy. Major players operating in the HVDC transmission market are ABB, Siemens, XD Group, NR Electric, GE Grid Solution, NKT, TBEA, etc. These Chinese players are rising faster through technology joint with the foreign players like ABB and Siemens. And the laters are also expanding their market through this method.

By Market Verdors:
ABB
Siemens
XD Group
NR Electric
GE Grid Solution
NKT
TBEA
Xuji Group
Hitachi
Nexans
Toshiba
Mitsubishi Electric
Abengoa
By Types:



High-power Rating Projects

Low power Rating Projects

By Applications:

Overhead Transmission

**Underground Transmission** 

Subsea Transmission

Key Indicators Analysed

Market Players & Competitor Analysis: The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market?s competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

Global and Regional Market Analysis: The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

Market Trends: Market key trends which include Increased Competition and Continuous Innovations.

Opportunities and Drivers: Identifying the Growing Demands and New Technology

Porters Five Force Analysis: The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.



Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements



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