

# Global HVDC Transmission Systems Market Research Report 2021-2025

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## Abstracts

A high-voltage direct current (HVDC) transmission system (also called a power super highway or an electrical super highway) uses direct current for the bulk transmission of electrical power, in contrast with the more common alternating current (AC) systems. According to research, global High Voltage Direct Current (HVDC) Transmission Systems market is projected to grow at 6.7 CAGR over 2016-2020.

In terms of geography, the Asia Pacific dominates the High Voltage Direct Current (HVDC) Transmission Systems market, the countries like China, where is undergoing a urbanization and village reform, the government's ambition to connect hydropower resources in the South-West and coal reserves in the North-West to Eastern and South-Eastern cities is the prime agent of this dominance. According to research, the Asia Pacific is expected to grow at highest CAGR through 2020 globally.

In addition, the majority of HVDC transmission constructed is of the point-to-point variety; with no integrated HVDC circuit breaker proven commercially viable, electricity can only be moved between two points. This limits potential. Subsequently, it is used, for the most part, to connect large power resources, such as a hydroelectric power generation facilities, to load centres. The ABB HVDC circuit breaker, announced in 2012, is a game-changer for the industry that could enable the creation of a HVDC grid.

On the basis of technology, the most used technology is VSC based; the market for this technology is expected to grow rapidly during the forecast period due to its increasing application in offshore, submarine, and underground transmission and the growing need for a reliable electricity supply that supports economic growth and environmentally friendly practices.

In terms of application, the offshore power transmission is growing over the past decades; it is also expected to grow during the forecast period because of the increase in number of wind power generation projects since wind energy can produce the major amount of power, which can be distributed to the locations where the demand for electricity is high.

HVDC Transmission Systems Report by Material, and Geography – Global Forecast to 2025 is a professional and comprehensive research report on the world's major regional market conditions, focusing on the main regions (North America, Europe and Asia-Pacific) and the main countries (United States, Germany, United Kingdom, Japan, South Korea and China).

The report firstly introduced the HVDC Transmission Systems basics: definitions, classifications, applications and market overview; product specifications; manufacturing processes; cost structures, raw materials and so on. Then it analyzed the world's main region market conditions, including the product price, profit, capacity, production, supply, demand and market growth rate and forecast etc. In the end, the report introduced new project SWOT analysis, investment feasibility analysis, and investment return analysis.

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