

# **Global High Voltage Direct Current (HVDC) Transmission Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023**

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## **Abstracts**

HVDC Transmission uses direct current for the bulk transmission of electrical power, in contrast with the more common alternating current (AC) systems. For long-distance 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. HVDC allows power transmission between unsynchronized AC transmission systems. Since the power flow through an HVDC link can be controlled independently of the phase angle between source and load, it can stabilize a network against disturbances due to rapid changes in power. HVDC also allows transfer of power between grid systems running at different frequencies, such as 50 Hz and 60 Hz. This improves the stability and economy of each grid, by allowing exchange of power between incompatible networks.

### **Scope of the Report:**

This report focuses on the High Voltage Direct Current (HVDC) Transmission in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

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.

The worldwide market for High Voltage Direct Current (HVDC) Transmission is expected to grow at a CAGR of roughly 9.9% over the next five years, will reach 13500 million US\$ in 2023, from 7650 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

ABB

Siemens

XD Group

NR Electric

GE Grid Solution

NKT

TBEA

Xuji Group

Hitachi

Nexans

Toshiba

Mitsubishi Electric

Abengoa

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

High-power Rating Projects

Low power Rating Projects

Market Segment by Applications, can be divided into

Subsea Transmission

Underground Transmission

Overhead Transmission

There are 15 Chapters to deeply display the global High Voltage Direct Current (HVDC) Transmission market.

Chapter 1, to describe High Voltage Direct Current (HVDC) Transmission Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of High Voltage Direct Current (HVDC) Transmission, with sales, revenue, and price of High Voltage Direct Current (HVDC) Transmission, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of High Voltage Direct Current (HVDC) Transmission, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, High Voltage Direct Current (HVDC) Transmission market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe High Voltage Direct Current (HVDC) Transmission sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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