

2018-2023 Global High Voltage Direct Current (HVDC) Transmission Consumption Market Report

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global High Voltage Direct Current (HVDC) Transmission market for 2018-2023.

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.

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.

Over the next five years, LPI(LP Information) projects that High Voltage Direct Current (HVDC) Transmission will register a 9.9% CAGR in terms of revenue, reach US\$ 13500 million by 2023, from US\$ 7650 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of High Voltage Direct Current (HVDC) Transmission market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

High-power Rating Projects

Low power Rating Projects

Segmentation by application:

Subsea Transmission

Underground Transmission

Overhead Transmission

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

ABB

Siemens

XD Group

NR Electric

GE Grid Solution

NKT

TBEA

Xuji Group

Hitachi

Nexans

Toshiba

Mitsubishi Electric

Abengoa

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global High Voltage Direct Current (HVDC) Transmission consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of High Voltage Direct Current (HVDC) Transmission market by identifying its various subsegments.

Focuses on the key global High Voltage Direct Current (HVDC) Transmission manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the High Voltage Direct Current (HVDC) Transmission with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of High Voltage Direct Current (HVDC) Transmission submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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