

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

<https://marketpublishers.com/r/GBCDA0E951DEN.html>

Date: December 2018

Pages: 131

Price: US\$ 3,480.00 (Single User License)

ID: GBCDA0E951DEN

## 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

## Contents

### 1 MARKET OVERVIEW

#### 1.1 High Voltage Direct Current (HVDC) Transmission Introduction

#### 1.2 Market Analysis by Type

##### 1.2.1 High-power Rating Projects

##### 1.2.2 Low power Rating Projects

#### 1.3 Market Analysis by Applications

##### 1.3.1 Subsea Transmission

##### 1.3.2 Underground Transmission

##### 1.3.3 Overhead Transmission

#### 1.4 Market Analysis by Regions

##### 1.4.1 North America (United States, Canada and Mexico)

###### 1.4.1.1 United States Market States and Outlook (2013-2023)

###### 1.4.1.2 Canada Market States and Outlook (2013-2023)

###### 1.4.1.3 Mexico Market States and Outlook (2013-2023)

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

###### 1.4.2.1 Germany Market States and Outlook (2013-2023)

###### 1.4.2.2 France Market States and Outlook (2013-2023)

###### 1.4.2.3 UK Market States and Outlook (2013-2023)

###### 1.4.2.4 Russia Market States and Outlook (2013-2023)

###### 1.4.2.5 Italy Market States and Outlook (2013-2023)

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

###### 1.4.3.1 China Market States and Outlook (2013-2023)

###### 1.4.3.2 Japan Market States and Outlook (2013-2023)

###### 1.4.3.3 Korea Market States and Outlook (2013-2023)

###### 1.4.3.4 India Market States and Outlook (2013-2023)

###### 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)

##### 1.4.4 South America, Middle East and Africa

###### 1.4.4.1 Brazil Market States and Outlook (2013-2023)

###### 1.4.4.2 Egypt Market States and Outlook (2013-2023)

###### 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)

###### 1.4.4.4 South Africa Market States and Outlook (2013-2023)

###### 1.4.4.5 Nigeria Market States and Outlook (2013-2023)

#### 1.5 Market Dynamics

##### 1.5.1 Market Opportunities

##### 1.5.2 Market Risk

##### 1.5.3 Market Driving Force

## 2 MANUFACTURERS PROFILES

### 2.1 ABB

#### 2.1.1 Business Overview

#### 2.1.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

##### 2.1.2.1 Product A

##### 2.1.2.2 Product B

#### 2.1.3 ABB High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.2 Siemens

#### 2.2.1 Business Overview

#### 2.2.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

##### 2.2.2.1 Product A

##### 2.2.2.2 Product B

#### 2.2.3 Siemens High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.3 XD Group

#### 2.3.1 Business Overview

#### 2.3.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

##### 2.3.2.1 Product A

##### 2.3.2.2 Product B

#### 2.3.3 XD Group High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.4 NR Electric

#### 2.4.1 Business Overview

#### 2.4.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

##### 2.4.2.1 Product A

##### 2.4.2.2 Product B

#### 2.4.3 NR Electric High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.5 GE Grid Solution

#### 2.5.1 Business Overview

#### 2.5.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

##### 2.5.2.1 Product A

##### 2.5.2.2 Product B

#### 2.5.3 GE Grid Solution High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.6 NKT

### 2.6.1 Business Overview

### 2.6.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

#### 2.6.2.1 Product A

#### 2.6.2.2 Product B

### 2.6.3 NKT High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.7 TBEA

### 2.7.1 Business Overview

### 2.7.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

#### 2.7.2.1 Product A

#### 2.7.2.2 Product B

### 2.7.3 TBEA High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.8 Xuji Group

### 2.8.1 Business Overview

### 2.8.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

#### 2.8.2.1 Product A

#### 2.8.2.2 Product B

### 2.8.3 Xuji Group High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.9 Hitachi

### 2.9.1 Business Overview

### 2.9.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

#### 2.9.2.1 Product A

#### 2.9.2.2 Product B

### 2.9.3 Hitachi High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.10 Nexans

### 2.10.1 Business Overview

### 2.10.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

#### 2.10.2.1 Product A

#### 2.10.2.2 Product B

### 2.10.3 Nexans High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## 2.11 Toshiba

### 2.11.1 Business Overview

### 2.11.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

#### 2.11.2.1 Product A

#### 2.11.2.2 Product B

2.11.3 Toshiba High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.12 Mitsubishi Electric

2.12.1 Business Overview

2.12.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

2.12.2.1 Product A

2.12.2.2 Product B

2.12.3 Mitsubishi Electric High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.13 Abengoa

2.13.1 Business Overview

2.13.2 High Voltage Direct Current (HVDC) Transmission Type and Applications

2.13.2.1 Product A

2.13.2.2 Product B

2.13.3 Abengoa High Voltage Direct Current (HVDC) Transmission Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### **3 GLOBAL HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION SALES, REVENUE, MARKET SHARE AND COMPETITION BY MANUFACTURER (2016-2017)**

3.1 Global High Voltage Direct Current (HVDC) Transmission Sales and Market Share by Manufacturer (2016-2017)

3.2 Global High Voltage Direct Current (HVDC) Transmission Revenue and Market Share by Manufacturer (2016-2017)

3.3 Market Concentration Rate

3.3.1 Top 3 High Voltage Direct Current (HVDC) Transmission Manufacturer Market Share in 2017

3.3.2 Top 6 High Voltage Direct Current (HVDC) Transmission Manufacturer Market Share in 2017

3.4 Market Competition Trend

### **4 GLOBAL HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION MARKET ANALYSIS BY REGIONS**

4.1 Global High Voltage Direct Current (HVDC) Transmission Sales, Revenue and Market Share by Regions

4.1.1 Global High Voltage Direct Current (HVDC) Transmission Sales and Market Share by Regions (2013-2018)



4.1.2 Global High Voltage Direct Current (HVDC) Transmission Revenue and Market Share by Regions (2013-2018)

4.2 North America High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

4.3 Europe High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

4.4 Asia-Pacific High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

4.5 South America High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

4.6 Middle East and Africa High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

## **5 NORTH AMERICA HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION BY COUNTRIES**

5.1 North America High Voltage Direct Current (HVDC) Transmission Sales, Revenue and Market Share by Countries

5.1.1 North America High Voltage Direct Current (HVDC) Transmission Sales and Market Share by Countries (2013-2018)

5.1.2 North America High Voltage Direct Current (HVDC) Transmission Revenue and Market Share by Countries (2013-2018)

5.2 United States High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

5.3 Canada High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

5.4 Mexico High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

## **6 EUROPE HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION BY COUNTRIES**

6.1 Europe High Voltage Direct Current (HVDC) Transmission Sales, Revenue and Market Share by Countries

6.1.1 Europe High Voltage Direct Current (HVDC) Transmission Sales and Market Share by Countries (2013-2018)

6.1.2 Europe High Voltage Direct Current (HVDC) Transmission Revenue and Market Share by Countries (2013-2018)

6.2 Germany High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate

(2013-2018)

6.3 UK High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate

(2013-2018)

6.4 France High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate

(2013-2018)

6.5 Russia High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate

(2013-2018)

6.6 Italy High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate

(2013-2018)

## **7 ASIA-PACIFIC HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION BY COUNTRIES**

7.1 Asia-Pacific High Voltage Direct Current (HVDC) Transmission Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific High Voltage Direct Current (HVDC) Transmission Sales and Market Share by Countries (2013-2018)

7.1.2 Asia-Pacific High Voltage Direct Current (HVDC) Transmission Revenue and Market Share by Countries (2013-2018)

7.2 China High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

7.3 Japan High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

7.4 Korea High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

7.5 India High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

7.6 Southeast Asia High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

## **8 SOUTH AMERICA HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION BY COUNTRIES**

8.1 South America High Voltage Direct Current (HVDC) Transmission Sales, Revenue and Market Share by Countries

8.1.1 South America High Voltage Direct Current (HVDC) Transmission Sales and Market Share by Countries (2013-2018)

8.1.2 South America High Voltage Direct Current (HVDC) Transmission Revenue and Market Share by Countries (2013-2018)

8.2 Brazil High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

8.3 Argentina High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

8.4 Colombia High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

## **9 MIDDLE EAST AND AFRICA HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION BY COUNTRIES**

9.1 Middle East and Africa High Voltage Direct Current (HVDC) Transmission Sales, Revenue and Market Share by Countries

9.1.1 Middle East and Africa High Voltage Direct Current (HVDC) Transmission Sales and Market Share by Countries (2013-2018)

9.1.2 Middle East and Africa High Voltage Direct Current (HVDC) Transmission Revenue and Market Share by Countries (2013-2018)

9.2 Saudi Arabia High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

9.3 UAE High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

9.4 Egypt High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

9.5 Nigeria High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

9.6 South Africa High Voltage Direct Current (HVDC) Transmission Sales and Growth Rate (2013-2018)

## **10 GLOBAL HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION MARKET SEGMENT BY TYPE**

10.1 Global High Voltage Direct Current (HVDC) Transmission Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global High Voltage Direct Current (HVDC) Transmission Sales and Market Share by Type (2013-2018)

10.1.2 Global High Voltage Direct Current (HVDC) Transmission Revenue and Market Share by Type (2013-2018)

10.2 High-power Rating Projects Sales Growth and Price

10.2.1 Global High-power Rating Projects Sales Growth (2013-2018)

10.2.2 Global High-power Rating Projects Price (2013-2018)

### 10.3 Low power Rating Projects Sales Growth and Price

10.3.1 Global Low power Rating Projects Sales Growth (2013-2018)

10.3.2 Global Low power Rating Projects Price (2013-2018)

## **11 GLOBAL HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION MARKET SEGMENT BY APPLICATION**

11.1 Global High Voltage Direct Current (HVDC) Transmission Sales Market Share by Application (2013-2018)

11.2 Subsea Transmission Sales Growth (2013-2018)

11.3 Underground Transmission Sales Growth (2013-2018)

11.4 Overhead Transmission Sales Growth (2013-2018)

## **12 HIGH VOLTAGE DIRECT CURRENT (HVDC) TRANSMISSION MARKET FORECAST (2018-2023)**

12.1 Global High Voltage Direct Current (HVDC) Transmission Sales, Revenue and Growth Rate (2018-2023)

12.2 High Voltage Direct Current (HVDC) Transmission Market Forecast by Regions (2018-2023)

12.2.1 North America High Voltage Direct Current (HVDC) Transmission Market Forecast (2018-2023)

12.2.2 Europe High Voltage Direct Current (HVDC) Transmission Market Forecast (2018-2023)

12.2.3 Asia-Pacific High Voltage Direct Current (HVDC) Transmission Market Forecast (2018-2023)

12.2.4 South America High Voltage Direct Current (HVDC) Transmission Market Forecast (2018-2023)

12.2.5 Middle East and Africa High Voltage Direct Current (HVDC) Transmission Market Forecast (2018-2023)

12.3 High Voltage Direct Current (HVDC) Transmission Market Forecast by Type (2018-2023)

12.3.1 Global High Voltage Direct Current (HVDC) Transmission Sales Forecast by Type (2018-2023)

12.3.2 Global High Voltage Direct Current (HVDC) Transmission Market Share Forecast by Type (2018-2023)

12.4 High Voltage Direct Current (HVDC) Transmission Market Forecast by Application (2018-2023)

12.4.1 Global High Voltage Direct Current (HVDC) Transmission Sales Forecast by

Application (2018-2023)

12.4.2 Global High Voltage Direct Current (HVDC) Transmission Market Share  
Forecast by Application (2018-2023)

## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

13.1 Sales Channel

13.1.1 Direct Marketing

13.1.2 Indirect Marketing

13.1.3 Marketing Channel Future Trend

13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

15.1 Methodology

15.2 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure High Voltage Direct Current (HVDC) Transmission Picture

Table Product Specifications of High Voltage Direct Current (HVDC) Transmission

Figure Global Sales Market Share of High Voltage Dire

## I would like to order

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

Product link: <https://marketpublishers.com/r/GBCDA0E951DEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GBCDA0E951DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

