

A NEW STUDY FROM:

DAVID + COMPANY

CHINESE ELECTRIC POWER TRANSMISSION AND DISTRIBUTION EQUIPMENT MARKETS, TECHNOLOGIES AND COMPETITORS: HOW CHINA WILL SOON DOMINATE THE GLOBAL T&D MARKET WITH ITS ULTRA HIGH VOLTAGE, SMART GRID TRANSMISSION SYSTEM: 2010-2019 ANALYSIS AND FORECASTS

Published: October 2010

100 Pages / Price \$1,400

Abstract:

This report examines the Chinese market for electric power transmission and distribution (T&D) equipment. China has become the world's largest market for T&D equipment- it surpassed the US years ago. Also, the Chinese market for T&D equipment is growing twice as fast as both the US and the world, and so it will continue to dominate for the coming decade, in all product categories. Additionally, China is now also the leader in T&D technology, with the 2009 announcement of its ultra high voltage (UHV), Reliable Smart Grid, which will be built during the next 10 years.

To put the Chinese T&D equipment market in perspective, the report first analyzes the global market for T&D equipment, in US dollars, by region, countries and product categories during the 2010-2014, 2015-2019 and 2010-2019 periods. This analysis is then broken down further by transmission vs. distribution and by product categories.

China's UHV, Smart Grid transmission system is discussed in detail in terms of concept, strategy, technologies, elements, standards, projects, costs, construction, investments and domestic suppliers.

Profiles of 42 leading domestic and foreign T&D manufacturers are given, along with 18 tables and 29 figures.

Contents on next page...

10281 East Bay Harbor Drive, D-1, Bay Harbor Islands, FL. 33154 USA
Tel: **305.450.1875** E- mail: amadee@atlanticbb.net

©2010COPYRIGHT ALL RIGHTS RESERVED DAVID + COMPANY INC.

[To purchase this report, choose this link for an online form, Please fill out and submit.](#)

A NEW STUDY FROM:

DAVID + COMPANY

EXECUTIVE SUMMARY INTRODUCTION

- Background
- Methodology and Sources
- Statistical Notes

GLOBAL AND CHINESE ELECTRIC POWER TRANSMISSION & DISTRIBUTION EQUIPMENT MARKET OVERVIEW

- Global Electric Power Transmission And Distribution Market: 2010-2019
- Global T&D Market By Region: 2010-2014
- Global T&D Market By Region: 2015-2019
- Global T&D Growth By Region: 2010-2019
- Global T&D Market By Product Category And Transmission Vs. Distribution: 2010-2019
- Global T&D Market By Product Category And Transmission Vs. Distribution: 2015-2019
- Global T&D Market By Region, Product Category And Transmission Vs. Distribution: 2010-2014
- Global T&D Market By Region, Product Category And Transmission Vs. Distribution: 2015- 2019
- Chinese T&D Market By Product Category And Transmission Vs. Distribution: 2010-2019
- Chinese Transmission Market By Product Segment: 2010-2019
- Chinese Distribution Market By Product Segment: 2010-2019

GLOBAL AND CHINESE ELECTRIC POWER TRANSMISSION & DISTRIBUTION EQUIPMENT MARKET OVERVIEW

- Reliable Smart Grid Background
- State Grid Corporation And Clean Energy
- State Grid's T&D Strategy
- Ultra High Voltage Grid
- Current UHV Projects
- UHV Substations
- 1000kV UHV AC Demo Project Cost Analysis
- Chinese UHV Research And Company Capabilities
- Cost Analysis For Digital Substations
- Unified Technological Standard For Substations
- 1000kV Digital Substation Investment Forecast
- Investment Forecast For China's UHV Grid
- Investment In Electricity Transmission
- Investment In Electricity Transformation
- Estimated Volume Of Electricity To Be Transmitted Via The UHV Grid By Type
- Investment Key Assumptions
- UHV AC Investment Forecast By 2020
- AC Transmission Costs
- Transformation (Including Switching Stations) Costs
- The Project Route
- Total Investment By Component Type
- UHV DC Investment Forecast By 2020
- DC Transmission Costs
- Transformation (Converter Stations) Costs
- Total Investment In UHV AC, DC Grid Construction In 2020
- Problems With State Grid's Investment Estimates
- No New UHV Projects In 2010
- UHV Public Company Winners

Continued on next page...

10281 East Bay Harbor Drive, D-1, Bay Harbor Islands, FL 33154 USA
Tel: **305.450.1875** E- mail: amadee@atlanticbb.net

©2010COPYRIGHT ALL RIGHTS RESERVED DAVID + COMPANY INC.

[To purchase this report, choose this link for an online form, Please fill out and submit.](#)

A NEW STUDY FROM:

DAVID + COMPANY

COMPANY PROFILES

- **ABB LIMITED**
(Background, Power Products, Power Systems, China, UHV, Hefei Transformer Components Plant, Revenues/Profits/Margins By Segment, Pricing Trends- Power Products/Power Systems, Cost Savings, Financial Overview)
- **ALSTOM SA/AREVA T&D**
(Background, Power Overview, Revenue/Income/Margins By Segment: 2009- 2015, Areva T&D Deal, Alstom's Revenue With Areva Unit, Financial Overview- Sales, Profits, Income, EPS, Market Cap, Sales By Geography: 2009- 2011, AREVA T&D China, Joint Ventures, AREVA T&D China Technology Center)
- **Baoding Hyosung Tianwei Transformer Company**
(Background, Products, Power Transformers, Distribution Transformers, Shunt Reactors, Gas Transformers, Special Transformers, Switchgear, Intelligent Electronic Devices, Financial Summary (2009- 2011), Market Data, Key Ratios, Capital Structure, Ownership Breakdown, Officers, Directors, Top 5 Shareholders, Key Competitors, Latest Deals)
- **Changzhou Transformer Works**
(Background, Products)
- **China Electric Equipment Group**
(Background, Products)
- **China Xian Electric Group**
(Background, Operations, Products, Projects)
- **CHINT Group Corp.**
(Background, Products, GE Joint Venture)
- **Dalian Composite Insulator Co., Ltd.**
(Background, Products)
- **Daqo Group**
(Background, Products, Subsidiaries)
- **DELIXI Group**
(Background, Products, Technology)
- **Eaglerise Electric & Electronic(Foshan)Co., Ltd.**
(Background, Products)
- **EATON CORPORATION**
(Background, Eaton China, Eaton Changzhou Senyuan Switch Co., Ltd, Eaton Moeller Electrical Equipment Suzhou Company)
- **Gulifa Electric Co., Ltd.**
(Background, Products)
- **GUODIAN NANJING AUTOMATION**
(Background, Products, Devices, Financial Summary (2009- 2011), Market Data, Key Ratios, Capital Structure, Ownership Breakdown, Top 5 Shareholders, Officers, Directors, Key Competitors, Latest Deals)
- **Hangzhou Qiantang River Electric Group Co., Ltd.** (Background, Products)
- **Henan Machinery & Electric Import & Export Co., Ltd.** (Background, Products)
- **Henan Pinggao Electric Company Limited**
(Background, Products, Financial Summary (2009- 2011), Market Data, Key Ratios, Capital Structure, Ownership Breakdown, Top 5 Shareholders, Officers, Directors, Key Competitors, Latest Deals)
- **Henan Pinggao Toshiba High Voltage Switchgear Co. Ltd.**
(Background, Products, Company Milestones)
- **Hengtong Group Co., Ltd.**
(Background, Products)
- **Jiangsu Jinxin Electric Appliance Co., Ltd.**
(Background, Products)
- **JHSP Transformer**
(Background, Products, Facilities, R&D, Recent US Orders)
- **Nantong Hyosung Transformer Company**
- **Nari Technology Development Limited**
(Background, Products, Financial Summary (2009- 2011), Market Data, Key Ratios, Capital Structure, Ownership Breakdown, Top 5 Shareholders, Officers, Directors, Key Competitors, Latest Deals)
New Northeast Electric Shenyang High Voltage Switch Company Limited
(Background, Products) Pingdingshan Pinggao- Yaskawa Switchgear Apparatus

Continued on next page...

10281 East Bay Harbor Drive, D-1, Bay Harbor Islands, FL 33154 USA
Tel: **305.450.1875** E- mail: amadee@atlanticbb.net

©2010COPYRIGHT ALL RIGHTS RESERVED DAVID + COMPANY INC.

[To purchase this report, choose this link for an online form, Please fill out and submit.](#)

A NEW STUDY FROM:

DAVID + COMPANY

- **PRYSMIAN SPA**
(Background, History, T&D Overview, Focus, Profits, Strategy, Power/Energy, Europe, International Expansion, Production Facilities, Business Mix, Transmission: HV Underground/Submarine Cables, New HV Plants, HV Barriers To Entry, Distribution, HV Outlook, Power Revenue By Cable Type, Financial Summary (2009- 2011), Market Data, Key Ratios, Capital Structure, Ownership Breakdown, Top 5 Shareholders, Officers, Directors, Key Competitors, Latest Deals)
- **Qingdao Transformer Group Company Limited** (Background, Products)
- **Sanbian Sci- Tech Co., Ltd.** (Background, Products)
- **Shandong DaChi Electric** (Background, Products)
- **Shanghai Electric Group Company Ltd.** (Background, Products, Areva JV)
- **SIEMENS AG** (Background, T&D, Revenue/Profits/ Margins By Segment, Financial Summary (2009- 2011), Market Data, Key Ratios, Capital Structure, Ownership Breakdown, Top 5 Shareholders, Officers, Directors, Key Competitors, Latest Deals)
- **Sunten Electric Co., Ltd.** (Background, Products)
- **Taichang Group Co., Ltd.** (Background, Products)
- **TBEA Co., Ltd.** (Background, Products)
- **TCI Group** (Background, Products)
- **Walsin Lihwa** (Background, Products)
- **Wuxi Alumin Casting Co. Ltd.** (Background, Products)
- **Xi'an Shendian Electric Appliance Co. Ltd.** (Background, Products)
- **Xian Xiandian Transformer** (Background, Products)
- **XJ Group Corporation** (Background, Products, Financial Summary (2009- 2011), Market Data, Key Ratios, Capital Structure, Ownership Breakdown, Top 5 Shareholders, Officers, Directors, Key Competitors, Latest Deals)
- **Zhenjiang Daqo Eaton Electrical Systems Co., Ltd.** (Background, Products)
- **Zhenjiang Siemens Busbar Trunking Systems Company** (Background, Products)

TABLES

- Market Segments: electric power transmission equipment, electric power distribution equipment
- Products Categories: Transformers, Switchgear, Insulators & Fittings, Cables & Lines, Control Systems, Turnkey Engineering, Civil Engineering, Utility Management
- Region/Countries: Western Europe, Eastern Europe, Former Soviet Union, Africa, Middle East, India, Asia, China, Japan, Rest of Asia, South America, Central America, North America, Australasia
- Global Electric Power Transmission And Distribution Equipment Market Total (\$Million, CAGR) : 2010-2014, 2015-2019, 2010-2019
- Global Electric Power Transmission Equipment Market Total (\$Million, CAGR): 2010-2014, 2015-2019, 2010-2019
- Global Electric Power Distribution Equipment Market Total (\$Million, CAGR) 2010-2014, 2015-2019, 2010-2019

Continued on next page...

10281 East Bay Harbor Drive, D-1, Bay Harbor Islands, FL. 33154 USA
Tel: **305.450.1875** E- mail: amadee@atlanticbb.net

©2010COPYRIGHT ALL RIGHTS RESERVED DAVID + COMPANY INC.

[To purchase this report, choose this link for an online form, Please fill out and submit.](#)

A NEW STUDY FROM:



- Global Electric Power Transmission And Distribution Equipment Market By Region/Country (\$Millions, Market Share, CAGR): 2010-2014, 2015-2019, 2010-2019
- Global Electric Power Transmission Equipment Market By Region/Country (\$Million, Market Share, CAGR): 2010-2014, 2015-2019, 2010-2019
- Global Electric Power Distribution Equipment Market By Region/Country (\$Million, Market Share, CAGR): 2010-2014, 2015-2019, 2010-2019
- Global Electric Power Transmission And Distribution Equipment Market By Product Category (\$Million, Market Share): 2010-2014, 2015-2019, 2010-2019
- Global Electric Power Transmission Equipment Market By Product Category: (\$Millions, Market Share): 2010-2014, 2015- 2019, 2010-2019
- Global Electric Power Distribution Equipment Market By Product Category (\$Millions, Market Share): 2010-2014, 2015-2019, 2010-2019
- Global Electric Power Transmission And Distribution Equipment Market By Region/Country And Product Category (\$Million): 2010-2014
- Global Electric Power Transmission Equipment Market By Region/Country And Product Category (\$Million): 2010-2014
- Global Electric Power Distribution Equipment Market By Region/Country And Product Category (\$Million): 2010-2014
- Global Electric Power Transmission And Distribution Equipment Market By Region/Country And Product Category (\$Million): 2015-2019
- Global Electric Power Transmission Equipment Market By Region/Country And Product Category (\$Million): 2015-2019
- Global Electric Power Distribution Equipment Market By Region/Country And Product Category (\$Million): 2015-2019
- Chinese Electric Power Transmission And Distribution Equipment Market By Product Category (\$Million, Market Share): 2010-2014, 2015-2019, 2010-2019
- Chinese Electric Power Transmission Equipment Market By Product Category (\$Million, Market Share): 2010-2014, 2015- 2019, 2010-2019
- Chinese Electric Power Distribution Equipment Market By Product Category (\$Million, Market Share): 2010-2014, 2015-2019, 2010-2019

FIGURES

- The Investment Roadmap Of China's Smart Grid
- Map Of China's UHV Power Grid Currently Under Construction
- China's Electricity Generation Mix: 2008 and 2020
- Coal-Fired Power Generation To Be Transmitted Via UHV Grid By 2020
- Chinese UHV Transmission Projects By Name
- Chinese UHV Substations Being Built By Name
- The Jindongnan 1000 kV Substation
- 1000kV UHV AC Project Cost Breakdown
- Cost Breakdown Analysis For Transmission Investment
- Chinese UHV Equipment Manufacturers By Product Type
- China's Digital Substations By Voltage Level
- Digital Substation Solutions Provided By Major Domestic Equipment Manufacturers

Continued on next page...

10281 East Bay Harbor Drive, D-1, Bay Harbor Islands, FL 33154 USA
Tel: **305.450.1875** E- mail: amadee@atlanticbb.net

©2010COPYRIGHT ALL RIGHTS RESERVED DAVID + COMPANY INC.

[To purchase this report, choose this link for an online form, Please fill out and submit.](#)

A NEW STUDY FROM:

DAVID + COMPANY

- Digital Substations Under Operation, Construction And Planning In China And Their Specifications: 2010
- Calculation Of The Average Investment In A 500 kV Digital Substation
- Calculation Of The Average Investment In A 330 kV Digital Substation
- Calculation Of The Average Investment In A 220 kV Digital Substation
- Calculation Of The Average Investment In A 110 kV Digital Substation
- Calculation Of The Investment In A 1000 kV Digital Substation
- Forecast For UHV Transmission Capacity By 2020
- Forecast For UHV AC And DC Transmission Capacity By 2020
- 1000kV UHV AC Demo Project Cost Breakdown
- Forecast Of The Number Of Transformers And Substations Required By China's UHV AC Projects By 2020
- Investment Forecast For UHV AC Projects By 2020
- Cost Breakdown Analysis Of The Xiangjiaba-Shanghai 800kV UHV DC Demo Project
- Average Operating Power Of One Converter Transformer In The Xiangjiaba-Shanghai Project
- Converter Transformers And Converter Stations Required By China's UHV DC Projects By 2020
- Investment Forecast Breakdown For China's UHV DC Projects By 2020
- Investment Forecast Of China's UHV Projects By 2020

10281 East Bay Harbor Drive, D-1, Bay Harbor Islands, FL. 33154 USA
Tel: **305.450.1875** E- mail: amadee@atlanticbb.net

©2010COPYRIGHT ALL RIGHTS RESERVED DAVID + COMPANY INC.

[To purchase this report, choose this link for an online form, Please fill out and submit.](#)