



GLOBAL ELECTRICITY TRANSMISSION REPORT AND DATABASE 2020-29

The fifth edition of the Global Electricity Transmission Report analyses the growth and investment opportunities in the high voltage electricity transmission sectors of 100 countries. Further, it includes the key developments and trends, latest data and statistics (from 2006 to 2019), and offers growth projections up to 2029. The report focuses on the high-voltage transmission segment of 110 kV and above levels.

The report has five distinct sections.

Part 1 provides an introduction to the report and an Executive Summary with key findings

Part 2 of the report provides an analysis of the performance of the global high voltage electricity transmission industry over the last decade, and presents forecasts and expected growth for 2020-29. It assesses the developments and trends shaping the industry, examines the key growth drivers, and provides an outlook and forecast for the industry at the global and regional levels.

Part 3 provides detailed profiles of the 100 countries. These countries are organised into six regions - North America, Latin America, Asia, Europe, the Middle East and Africa. The report covers 2 countries in North America; 16 countries in Latin America; 20 countries in Asia; 36 countries in Europe; 19 countries in Africa; and 7 countries in the Middle East.

Each country's profile provides data and analysis on:

- Industry structure, institutional structure and key players
- Existing generation capacity and production, 2006 to 2019
- Forecasted demand and addition to generation capacity by 2029
- Transmission network and capacity for 2006 to 2019

This report and database are indispensable for any organisation interested in the global high voltage transmission industry - utilities, system operators, equipment manufacturers and suppliers, EPC contractors, service and technology providers, investors/lenders, research organisations, industry consultants, regulatory agencies, development institutions, etc.

The package is priced at USD5,200.

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- Line length by voltage level, technology (AC and DC) and by type of line (overhead, underground and undersea)
- Transformer capacity
- Number of substations/transformers
- Line length of key transmission companies
- Forecasted growth in transmission network and capacity by 2029
 - Forecasts for line length by voltage, technology (AC and DC) and by type of line (overhead, underground and undersea)
 - Forecasts for transformer capacity
- Forecasted investment in the transmission network

Part 4 is the appendix providing sources, methodology and list of abbreviations.

Part 5 of the report is a database and provides detailed data and statistics at the global, regional and country levels since 2006, and forecasts for the period 2020-29 in a tabular format.

Part 1-4 is in a PowerPoint format (converted to PDF) and Part 5 is in an Excel database.

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Sources and Methodology

Global Transmission Research's industry analysts have utilised various primary and secondary research sources in preparing this report. Primary sources include data and statistics obtained through email questionnaires sent to various utilities, transmission companies, transmission system operators and industry regulators. Extensive secondary research has been conducted by our analysts and research associates. These secondary sources include, but are not limited to, websites of utilities; annual reports and financial reports of utilities; investor presentations; analyst reports; government documents, plans and statistical databases; websites of relevant ministries and regulators; websites of relevant industry associations; internal and external proprietary databases; news articles; and press reports. Wherever applicable, all research sources are appropriately cited within this report.

These primary and secondary research sources, combined with our industry expertise, have been synthesised into qualitative and quantitative analysis which has been presented in this report.

The data and statistics for the years 2006 to 2019 are actual figures obtained from the concerned utilities and ministries. In a few cases, where data is not yet available, we have used estimates based on information obtained from press reports or those based on past growth trends. For expected addition to generation and transmission capacity, we have extensively researched the plan documents of various utilities and governments. Wherever these plans are not available, we have derived the projections based on past growth trends or based on new projects planned by the utilities.

Great care has been taken to ensure that all analysis is well supported by facts. Where facts were not available and assumptions were made, we have explained our assumptions and our methods of estimation.

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