Global Transmission Research released the second edition of the Global Electricity Transmission Report on February 25, 2014. The report is a comprehensive and up-to-date study of the high voltage electricity transmission segments in over 90 countries presenting significant investment opportunities. The report presents key statistics and describes developments in the electricity transmission sectors of these countries from 2005 to 2013, and offers growth and investment projections up to 2020. The focus of the report is the high voltage transmission segment of 110 kV and above levels.

The report has 1032 pages and comprises three distinct sections.

Part 1 of the report analyses the existing state of, and the expected opportunities for, the global high voltage electricity transmission industry. It examines technical, regulatory and financing developments and trends and analyses key growth drivers and challenges. It also presents expected growth and investment opportunities, and the outlook for the industry.

Part 2 of the report provides detailed profiles of the 90 countries. These countries are organised into six regions: North America, Latin America, Asia, Europe, Middle East and Africa. Each section on the six regions will begin with a regional analysis on the key developments and the expected investment opportunities in that region. The report covers two countries in North America; 11 countries in Latin America; 35 countries in Europe; 21 countries in Asia; 12 countries in Africa; and 8 countries in the Middle East.

Each country profile attempts to provide data and analysis on:
- Industry structure and key players
- Existing generation capacity and production
- Expected addition to generation capacity
- Existing transmission network and capacity
  - Line length by voltage level (110 kV and above)
  - Line length by technology (AC and DC)
  - Line length by type of line (overhead, underground and undersea)
  - Transformer capacity
  - Number of substations/transformers
  - Existing cross-border electricity interconnections
- Expected growth in transmission network and capacity
  - Projections by voltage level (110 kV and above)
  - Projections by technology (AC and DC)
  - Projections by type of line (overhead, underground and undersea)
  - Projections for transformer capacity
- Expected investment in transmission network

Part 3 (Appendix) of the report provides a listing of key domestic transmission and cross-border electricity interconnection projects planned for each country. It will also include a note on the research methodology and sources.

The report is 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 report is available in PDF format. It is priced at USD4,400.

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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 also 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, are synthesised into the qualitative and quantitative analysis presented in this report. The data and statistics for the years 2005 to 2013 are actual figures obtained from the concerned utilities and ministries. However, where 2012 and 2013 data are 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 were not available, we have derived the projections based on past growth trends. 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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