

# The Super Grids Market 2012-2022

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## Abstracts

### Report Details

A combination of ageing infrastructure, rising use of renewable energy sources which need to be integrated into the existing grid, rising demand for electricity, and improvement of energy security are beginning to translate into growth in the super grid market. To tap the full potential of renewables, a super grid is necessary to offset intermittency issues and accelerate deployment of distributed renewable generation. This will also reduce transmission losses offering lower cost electricity, leading to increased industrial competitiveness. Over the forecast period many regions and countries will experience strong growth in the super grids market as a number of governments and utility companies rush to upgrade and expand the transmission and distribution infrastructure. As a consequence, visiongain has determined the value of the global super grids market in 2012 to reach \$10.01bn.

Visiongain expects an increase in public-private partnerships across a number of super grid markets, while technological developments are also projected to evolve to reflect the changing dynamics of electricity transmission and the integration of renewable sources of energy.

National super grids markets for China, India, the US and major European countries will remain central to the super grids market over the forecast period to 2022, as these economies continue to invest heavily in their electricity generation, transmission and distribution networks. Growth in super grid development in Latin America, the Middle East, Asia and Africa is forecast by visiongain to be significant, as national, regional and continental electricity grids are interconnected

### Unique Selling Points

Forecasts and comprehensive analysis for the global super grids market between 2012-2022.

Forecasts and analysis for the 2 super grids submarkets from 2012-2022.

Forecasts and analysis for 7 regional super grids markets from 2012-2022.

Forecasts and analysis for 12 national super grids markets for the period 2012-2022.

Analysis and forecasting informed by extensive expert consultation with industry leaders. You will be able to read full transcripts of interviews from four companies involved in the super grids market.

138 tables, charts and graphs that quantify, analyse and forecast the changing dynamics of the super grids market between 2012-2022.

SWOT analysis of the forces that influence and characterise the super grids market.

Profiles of 38 leading companies operating within the super grids.

## **Methodology**

This report has been compiled by combining information obtained from a very wide and rich mixture of primary and secondary research sources, producing a broad industry overview. Visiongain sought opinions from leading figures in the super grids market to underpin the analysis of market drivers and restraints. The study draws on a diverse range of official corporate and governmental announcements, media reports, policy documents, industry statements and expert opinion as a basis for discussing and predicting developments in the super grids market between 2012 and 2022.

Visiongain considers that this methodology results in an accurate, objective mixture of analyses and forecasts.

## **Why you should buy The Super Grids Market 2012-2022**

You will gain a thorough understanding of the super grids market and learn how it will evolve over the next decade, with detailed global sales forecasts from 2012 to 2022

The forecasts and analysis are underpinned by extensive expert consultation. Transcripts of four original and exclusive interviews are included within the report with expert insight from:

Tres Amigas, an electric power transmission company

Transmission Developers Inc, a leading independent transmission provider for the North American market utilising HVDC technology

NorthConnect, a merchant transmission project company

Global Wind Energy Council, the global forum for the wind energy sector, uniting the wind industry and its representative associations

You will be able to study 138 tables, charts and graphs, analysing, quantifying and forecasting the super grids market in detail over the period 2012-2022

You will discover forecasts and analysis between 2012-2022 for the two super grids submarkets

Super Grid Cables Market

Super Grid Converter Stations Market

You will find forecasts and analysis of 7 regional super grids markets over the period 2012-2022

Africa

Asia-Pacific

CIS

Europe

Latin America

North America

The Middle East

You will be presented with forecasts for the 12 leading national super grid markets for the period 2012-2022

Canada

China

Germany

India

Italy

Japan

Norway

Sweden

South Korea

The Netherlands

UK

US

You will gain profiles of 38 leading companies operating within the super grids market

You will receive a SWOT analysis for strengths, weaknesses, opportunities and threats to the super grids market from 2012 onwards

## **What is the structure of the report?**

Chapter 1 is the executive summary.

Chapter 2 is an introduction to the super grids market providing a clear definition of the market.

Chapter 3 provides extensive analysis of the global super grids market and sub-markets as well as analysis of the major market drivers and restraints.

Chapter 4 analyses the seven regional super grids market: Asia-Pacific, Latin America, North America, Europe, Commonwealth of Independent States (CIS), Africa and the Middle East, as well as analysis of 12 leading countries. Detailed market forecasting and analysis is provided for each region and country, including information on the major developments in the market.

Chapter 5 provides an extensive SWOT analysis, discussing the main strengths, weaknesses, opportunities and threats influencing the super grids market over the coming decade.

Chapter 6 features four original interviews with Tres Amigas, Transmission Developers Inc, NorthConnect and Global Wind Energy Council (GWEC) who offer an insider's perspective on the super grids market.

Chapter 7 lays out profiles of the 38 leading companies involved in the super grids market, providing information for each company and their services in the super grids market.

Chapter 8 provides a summary of the report, outlining the main conclusions of the analyses.

Chapter 9 is a glossary of acronyms used in the report.

## **You can order this report today**

Anybody with an interest in the super grids market should gain valuable information and insight from this new study by visiongain, which analyses one of the most exciting markets in the utility industry. The super grids market offers substantial business and investment opportunities and is becoming an increasingly important component of the

utility sector in several regional markets.

This visiongain utility report will be valuable both to those already involved in the super grids market and those wishing to enter the market in the future. Gain an understanding of how to tap into the potential of this market by ordering *The Super Grids Market 2012-2022*.

Visiongain is a trading partner with the US Federal Government

CCR Ref number: KD4R6

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## **COMPANIES LISTED**

ABB

Agder Energi

Alcan Cable

Alstom Grid

Alstom S.A.

AltEnergy, LLC

American Superconductor Corporation (AMSC)

Anbaric Northeast Transmission Development Company, LLC

Areva

AZZ Incorporated

Bharat Heavy Electricals Limited (BHEL)

Blackstone Group

Bloomberg

BP

Brazilian National Bank for Economic and Social Development (BNDES)

CCM Group

China Electric Power Equipment and Technology Co., Ltd. (CET)

China Power Engineering Consulting Group Corporation

China Southern Power Grid Co Ltd.  
Clean Line Energy Partners  
Companhia de Transmissao de Energia Eletrica Paulista (CTEEP)  
DII GmbH  
Draka Holdings  
E-CO  
Electric Transmission Texas LLC (ETT)  
Electricidade de Mozambique (EDM)  
Energinet.dk  
Eskom  
Federal Grid Company (FGC)  
General Cable Corporation  
Hydro-Quebec  
IE Madeira  
International Wire Group (IWG)  
JDR Cable Systems Ltd  
Kagan-Dixon Wire Corp  
Kazakhstan Electricity Grid Operating Company (KEGOC),  
KEC International Limited  
KEI Industries Limited (KEI)  
Litgrid  
LS Cable & System Ltd  
LS Group  
LS Industrial System Co. (LSIS)  
Lyse  
Mitsui & Co. Ltd  
NamPower  
National Grid  
Nexans SA  
NKT Cables Group A/S  
NKT Cables Group GmbH  
Norddeutsche Seekabelwerke GmbH (NSW)  
NorthConnect  
Nur Energie  
Phoenix Power Cables  
Power Grid Corporation of India Limited  
Prysmian S.p.A.  
PT BICC Berca Cables  
Red Electrica Corporacion SA

RPG Group  
SAE Towers  
Saudi Electricity Company (SEC)  
Schneider Electric SA  
Scottish and Southern Energy (SSE)  
Siemens AG  
Siemens Energy  
SNEL (Democratic Republic of Congo)  
Softbank  
Sonelgaz Spa  
Southwire Company, Inc.  
State Grid Corporation of China (SGCC)  
Statnett SF  
Sumitomo Electric Industries (SEI)  
Superior Essex Inc.  
Svenska Kraftnat  
Synergy Cables  
Telvent GIT SA  
TenneT Holding B.V.  
The Alpine Group, Inc.  
The Okonite Company, Inc.  
Toshiba Transmission Distribution & Industrial Systems Company  
Transmission Developers Inc. (TDI)  
Transmissora Delmiro Gouveia (TDG).  
Tres Amigas, LLC  
Vattenfall AB  
Xian Electric Engineering Co., Ltd  
Xian Electrical Group  
Yonhap News Agency  
ZESA  
ZESCO  
ZGlobal Inc

## **GOVERNMENT AGENCIES AND OTHER ORGANISATIONS MENTIONED IN THIS REPORT**

Agency for Natural Resources and Energy (ANRE) Japan  
Canadian Electricity Association  
China Electric Power Research Institute (CEPRI)

China Electricity Council (CEC)  
Commonwealth of Independent States (CIS)  
Conference Board of Canada  
Department of Energy (DOE) (US)  
Desertec Foundation  
Desertec Industrial Initiative (DII)  
Electric Reliability Council of Texas (ERCOT)  
Energy and Climate Change Committee  
Energy Information Administration (EIA)  
European Bank for Reconstruction and Development (EBRD)  
European Commission  
European Investment Bank (EIB)  
European Network of Transmission System Operators for Electricity (Entso-e)  
European Union (EU)  
European Wind Energy Association (EWEA)  
Federal Association of the Energy and Water Industry (BDEW)  
Federal Energy Regulatory Commission (FERC)  
Federal Ministry for Economics and Technology (Germany)  
Federation Internationale de Football Association (FIFA)  
Friends of the Supergrid (FOSG)  
Global Wind Energy Council (GWEC)  
Gulf Cooperation Council (GCC)  
Gulf Cooperation Council Interconnection Authority (GCCIA)  
India Ministry of Power  
Intergovernmental Panel on Climate Change (IPCC)  
International Energy Agency (IEA)  
International Monetary Fund (IMF)  
International Renewable Energy Agency (IRENA)  
Japan Renewable Energy Foundation (JREF)  
National Academy of Sciences (Japan)  
National Energy Administration (China)  
Nigerian Electricity Regulatory Commission (NERC)  
Nigerian Electricity Supply Industry (NESI)  
North American Electric Reliability Corporation (NERC)  
North Sea Countries Offshore Grid Initiative (NSCOGI)  
Organisation for Economic Co-operation and Development (OECD)  
UK Department of Energy and Climate Change (DECC)  
United Nations (UN)  
United Nations Framework Convention on Climate Change (UNFCCC)

Western Electricity Coordinating Council (WECC)  
World Bank (WB)  
World Resources Institute

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