

The Smart Grid Market 2012-2022

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Abstracts

Report Details

Smart grid technology combines traditional grid infrastructure with the advantages of advanced internet technology, with the aim of improving the efficiency of electricity supply as well as decreasing consumption by providing real-time information. The global smart grid market is expected to experience strong expansion during the following decade. However, the industry faces two crucial issues which remain to be addressed in the coming years: the merging of interoperability standards and more consistent integration of renewable energy into the grid. Once those two obstacles have been resolved large scale deployment of smart grid projects will become reality. Visiongain calculates that global smart grid market in 2012 will total \$33.91bn.

During the period 2012-2013, the smart grid market will be marked by shifting from smart metering implementation to actual realisation of the grid infrastructure. In addition, the goal of the regulators will be to promote decarbonisation of the economy through implementation of smart grid technology. Even though, in the short run the smart grid market will be negatively influenced by the economic hardship in Europe as well as by the slower growth in the emerging world, overall the industry is expected to experience strong growth.

The report also describes the most important technological changes within the smart grid industry and assesses their importance for the growth of the market over the long-term. The various drivers and restraints of the market are evaluated in order to provide readers with specific insights into the future direction of the smart grid market.

How much is going to be spent in regional smart grid markets for implementation of smart electricity infrastructure between 2012 and 2022? Who are the leading companies in the smart grid industry? Where are the growth opportunities over the next decade - in

which regions and with which type of technology? These critical questions and many more are definitively answered in this comprehensive report.

Unique Selling Points

Global smart grid market forecasts and analysis for 2012-2022.

66 tables, charts and graphs that quantify, analyse and forecast the changing dynamics of the smart grid market between 2012-2022.

Analysis of the main drivers and restraints in the global smart grid market

Forecasts and analysis for the four submarkets from 2012-2022: advanced metering infrastructure (AMI), distribution automation, home area networking (HAN) and smart utility enterprise.

Forecasts and analysis for five regional smart grid markets for the period 2012-2022.

SWOT analysis of strengths, weaknesses, opportunities and threats facing the smart grid market over the next ten years.

Exclusive interviews with six leading companies in the smart grid market underpinning forecasts and analysis.

Profiles of 50 of the leading smart grid companies subdivided into 6 categories: FAN/AMI, Grid Optimisation, Smart Meter Manufacturer, Meter Data Management, Demand Response and System Development and Integration.

Methodology

This report has been compiled by combining information obtained from a broad and rich mixture of primary and secondary research sources, producing a broad industry overview. Visiongain sought opinions from leading figures in the smart grid market to underpin the analysis and market forecasts. 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 smart grid 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 Smart Grid Market 2012-2022

You will receive forecasts and analysis of the global smart grid market between 2012-2022, including in-depth analysis of the main drivers and restraints.

You will obtain exclusive interviews with experts from six of the leading companies in the smart grid market, underpinning the forecasts and analysis.

Enbala

GridGlo

DNV KEMA Energy & Sustainability

Powerit Solutions

S&C Electric Company Ltd.

Tropos Networks

You will find 66 tables, charts, and graphs that quantify, analyse and forecast the smart grid market from 2012-2022.

You will find forecasts and analysis of the four smart grid submarkets over the period 2012-2022:

Advanced metering infrastructure (AMI) market

Distribution automation market

Home area networking (HAN) market

Smart utility enterprise

You will be presented with forecasts for the five regional smart grid markets for

the period 2012-2022:

North America

Asia-Pacific

Europe

Latin America

The Middle East & Africa

Further analysis is provided within each region for smart grid developments for the 15 leading countries in those regions including:

Canada

US

China

Japan

South Korea

Australia

India

Spain

UK

Germany

Italy

Sweden

France

Brazil

Ecuador

You will gain profiles of 50 leading smart grid companies subdivided into the following 6 categories:

FAN/AMI

Grid Optimisation,

Smart Meter Manufacturer

Meter Data Management

Demand Response

System Development and Integration

You will receive a SWOT analysis that examines the smart grid market from 2012-2022.

What is the structure of the report?

Chapter 1 is an executive summary for the smart grid market.

Chapter 2 is an introduction to the smart grid market.

Chapter 3 offers an overview of the global smart grid market with visiongain's exclusive forecast from 2012-2022, with detailed analysis of the specific drivers and restraints. In addition, analysis of the following four smart grid submarkets is offered: advanced metering infrastructure (AMI), distribution automation, home area networking (HAN) and smart utility enterprise. Each sub-market is also forecast over the ten years from 2012-2022.

Chapter 4 provides the forecasts and national market analysis for the regional smart grid markets from 2012-2022, including: North America, the Asia-Pacific, Europe, Latin America, the Middle East & Africa.

Chapter 5 outlines the strengths, weaknesses, opportunities and threats in a SWOT

analysis of the smart grid market.

Chapter 6 offers the expert opinions of 6 specialists from leading companies involved in the smart grid market.

Chapter 7 presents the profiles of 50 leading companies within the smart grid market, divided into FAN/AMI, Grid Optimisation, Smart Meter Manufacturer, Meter Data Management, Demand Response and System Development and Integration company groupings.

Chapter 8 is 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 smart grid market should gain valuable information and insight from this new study by visiongain, which analyses one of the most exciting markets in the energy market. Smart grids offers substantial business and investment opportunities and are becoming an increasingly important component of the energy market in several key regional markets.

This visiongain energy report will be valuable both to those already involved in the smart grid 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 Smart Grid Market 2012-2022*

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COMPANIES LISTED

ABB Korea
ABB Ltd
Accenture Ltd.
Accurate Steel Treating Inc
Aclara
ADWEA
Akuacom
Alliander
Alstom
Ambient Corporation
American Electric Power
Amy's Kitchen
Anchor Warehouse Services
Arcadian Networks, Inc.
Arch Rock
Arqiva
AT&T
Austin Energy
Avista
BC Hydro
Bentley Prince Street
Bergé
Black & Veatch
Bloom Energy
BPL Global Ltd.
British Gas
Burbank Water & Power
BYD
C&W Worldwide
Cable & Wireless (C&W)
Capgemini

Cas Technologia
CenterPoint Energy
China Mobile
China Southern Power Grid (CSG)
China Telecom
Cisco Systems, Inc.
Climate Change Capital Group
CNFL
Coelce
Commonwealth Edison (ComEd)
Comverge, Inc.
Con Edison
Constellation Energy
Cooper Industries plc
Cooper Power Systems Inc. (CPS)
CPFL Energia Holdings
CURRENT Group LLC
Data and Communications Company (DCC)
Del Mar Food Products
Delta Dore
Diana Solutions
DNV Group
DNV KEMA Energy & Sustainability
Donsco
DTE Energy
Dubai Electricity and Water Authority (DEWA)
E.J. Gallo Winery
E.ON
East China Grid Company Ltd.
Echelon Corporation
Ecologic Analytics, LLC
Edelia
Eka Systems
Electralink Limited
Electrica de Guayaquil
Electricite de France (EDF)
Electrolux
Elektra
Elster Group SE

Emcali
eMeter Corporation
e-Mon
Enbala
Endesa
Enel SpA
Energate
Energy Australia
EnerNex Corporation
EnerNOC, Inc.
ENMAX
Enspira Solutions
EPCOR
ESCO Technologies Inc
Exelon
First Utility
Florida Power & Light (FP&L)
FOCUS AX
Fortis Alberta
Four Star Fruit
Frito Lay
Fuji Electric Holdings Co., Ltd
Gamesa
Gas Natural Fenosa
GE Energy
GEAB
General Electric (GE)
Genesis Energy
Glendale Water & Power
Green Mountain Power (GMP)
GridGlo
GRIDiant Corporation
GridNet
GridPoint, Inc.
GS Caltex
Hewlett-Packard Company (HP)
Hitachi, Ltd
Honeywell International Inc
Hydro One Inc

Hydro Quebec
Hyundai
Iberdrola
IBM
iControl Networks
Iljin Electric Corporation
Indesit
Iskraemeco, d.d.
Itron, Inc.
Korea Electric Power Corporation (KEPCO)
Korea Telecom
KPX
Landis+Gyr (L+G)
Lee County Electric Cooperative
LG Electronics
Logica
LS Industrial Systems Corporation
Maharashtra State Electricity Distribution
Michigan Consumers Energy
Mikronika
Mission Produce
Mitsubishi
Mitsubishi Electric
MVV Energie
National Electricity Corporation (CNEL)
New Brunswick Power
New York Economic Development Corporation
Nova Scotia Power
Nuri Telecom Corporation
NV Energy
Oncor Electric Delivery Company
OnStream
Opower
Oracle Corporation
Osaki Electric
OSIsoft
Pacific Alloy Casting
Pacific Gas & Electric (PG&E)
Panasonic

PECO Energy Company
Peugeot
Piaggio
Potomac Electric Power Company (Pepco)
Power Analytics Corporation
Power Plus Communications (PPC)
Powerit Solutions
Renault Samsung
Rochester Metal Products
RuggedCom Inc.
S&C Electric Company Ltd
Saft
San Diego Gas & Electric
SAP
Schneider Electric S.A.
Sensus Metering Systems
Siemens AG
Siemens Canada Limited
Siemens Energy
Silicon Valley Power
Silver Spring Networks
SK Energy
SK Telecom
Smarter Grid Solutions
SmartSynch, Inc.
SNC-Lavalin
Southern California Edison
Sprint
State Grid Corporation of China (SGCC)
SynapSense
Telecom Italia
Telvent GIT SA
Tenesol
Time Warner Cable
T-Mobile
Tokyo Electric Power Co (TEPCO)
Toronto Hydro
Toshiba
Toyota

Trilliant Inc.
Trilliant Networks
Tropos Networks
uControl
Utilita
Vattenfall
Ventyx
Verizon Qualcomm Wireless
Verizon Wireless
Viridity Energy Inc.
VKW
Xcel Energy
Zambian Electricity Supply Company (ZESCO)

GOVERNMENT AGENCIES AND OTHER ORGANISATIONS MENTIONED IN THIS REPORT

Agencia Nacional de Energia Electrica (ANEEL)
China Wind Energy Association
City of San Antonio Public Services
Commonwealth of Pennsylvania
Cyber Security Working Group
Drexel University
Electric Power Research Institute (EPRI)
Energy Information Administration (EIA)
European Commission
European Union (EU)
Federal Energy Regulatory Commission (FERC)
German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)
German Federal Ministry of Economics and Technology (BMWi)
Grattan Institute
India's Bureau of Energy Efficiency
Indian National Mission for Enhanced Energy Efficiency (NMEEE)
Institute of Electrical and Electronics Engineers (IEEE)
International Energy Agency (IEA)
International Monetary Fund (IMF)
Interoperability Device Interface Specifications (IDIS) Association
Lawrence Berkeley National Laboratory (Berkeley Lab)

National Institute of Standards and Technology (NIST)
Ofgem
Organisation for Economic Cooperation and Development (OECD)
Organization of Petroleum Exporting Countries (OPEC)
Pacific Northwest National Laboratory (PNNL)
PJM Interconnection
Smart Grid Interoperability Panel (SGIP)
Smart Grid Task Force
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UN Secretary-General's Advisory Group on Energy and Climate Change
University of New Brunswick
US Department of Energy (DOE)
World Bank?

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