



# POWERTECH 2013 GRENOBLE



Centre des congrès WTC Grenoble - 16 au 20 juin 2013

PRESS RELEASE

## Which technological innovations for the energy of tomorrow?

From the 16 to the 20th of June 2013, Grenoble will host the biennial international conference IEEE/POWERTECH 2013. It will be a unique opportunity for the attendees to present, discuss and challenge, during 5 days, the technological innovations which are going to build our future of Energy. Indeed more than 700 researchers and engineers worldwide will present the results of their works and will share their views of the major future trends in the field of the technologies for the energy in general and electrical networks in particular.

### Make our grids intelligent: An essential technological revolution.

After having articulated during decades the electrical energy paradigm around a sequential mode «Generation./transmission/distribution/consumption», as a vertical structure, we are now facing a significant mutation of this way of functioning mostly due to the event of renewable energies and distributed generation. The intelligent networks---Smart grids--- play a strategic role in these new models and facilitate the technological solutions for fulfilling the new needs in terms of management of the energy and electrical networks.

### The development of a new energy industry

The path of this energy revolution will radically change our ways to produce, to transmit, to store, to deliver and to consume the energy. This is one of the main challenges of today's world economy. A challenge that concerns our industrial and ecological needs, but also a challenge that comes with a smart financial investment, thus opening new economic opportunities. The various actors involved in this domain have already taken part in the most innovative research programs that will structure the energy industry of the future. The USA have already invested more than 4.5 billion of dollars in innovative projects and R&D in the area of SmartGrids. For Europe, the Joint Research Center estimates the actual investments to approximately 4 billion of Euros. The European Union assesses that 2.8 million of jobs will be created by 2020 with the development of renewable energies.

### More than 500 presentations on the technological solutions of the future

Preempting the demand and needs in energy, centralization/decentralization and optimization of the generation, regulation issues, the integration of renewable and fluctuating energies, securing various networks, storage handling, energy efficiency, and demand response, new usages satisfaction, integration of electrical public transports and vehicles, ... all the themes and world's challenges, will be treated during the PowerTech event within a program of more than 500 presentations spread out into 90 sessions.

### Grenoble, Innovation's international meeting point

Grenoble is one of the foremost scientific and technological center in Europe. It is often considered as a "French Silicon Valley", with an image of excellence, the Alps capital benefits from an international fame in the research and innovation field. Many reasons that prompt the IEEE (Institution of electrical and Electronic Engineers) to choose Grenoble to host, for the first time in France, the PowerTech event. Planned by the local research laboratory G2Elab (Grenoble INP, UJF and CNRS), it is also supported by many industrial and institutional partners, some of which are EDF, ERDF, RTE, Schneider Electric, Nexans, Alstom, General Cable, Atos World grid, GDF Suez, the CEA, the Métro and the Rhône-Alps Region Council.

[www.powertech2013.grenoble---inp.fr](http://www.powertech2013.grenoble---inp.fr)

**Press Contact PowerTech 2013: Le ServiceKom -- Grenoble**  
Elisabeth Briand - Tel: +33 (0)6 58 01 12 58 -- [eli.briand@gmail.com](mailto:eli.briand@gmail.com)  
Sophie Bonnécuelle--Merindol -- Tel : +33 (0)6 37 84 19 70  
[contact@leservicekom.com](mailto:contact@leservicekom.com)



## Few numbers of the market potential of Smartgrid in the World

The Smartgrid world market could reach the 100 billion of dollars by 2020.

The IEA (International Energy Agency) estimates the investments in electrical power grids by 2035 to 18000 billion of dollars (production and home automation systems not included).

Deployment plan in number of smart meters:

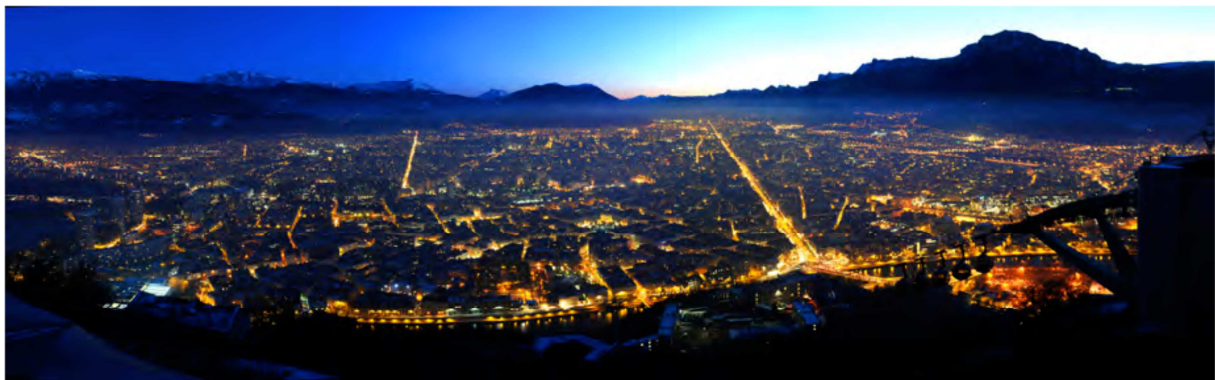
- 360 million in China by 2030
- 240 million in Europe by 2020
- 130 million in India
- 63 million in Brazil
- 60 million in the USA
- 24 million in South Korea

With the acceleration of the deployment of smart meters, the size of the market could be multiplied by 10 by 2020.

Smart Grid China Corporation recently announced an investment of 250 billion of dollars in smart grids.

In the United States, the electrical power grid modernization should cost between 338 and 476 billion of dollars in investment.

The data analysis could represent by itself a market of 4.1 billion of dollars by 2015.



[www.powertech2013.grenoble--inp.fr](http://www.powertech2013.grenoble--inp.fr)

**Press Contact PowerTech 2013: Le ServiceKom -- Grenoble**  
Elisabeth Briand - Tel: +33 (0)6 58 01 12 58 -- [eli.briand@gmail.com](mailto:eli.briand@gmail.com)  
Sophie Bonnécuelle--Merindol -- Tel : +33 (0)6 37 84 19 70  
[contact@leservicekom.com](mailto:contact@leservicekom.com)

