

The 3rd Annual China Smart Grid Forum 2011 will be held in Sept in Shanghai

China has surpassed the United States to become the world's largest energy user, according to Paris-based International Energy Agency. As a rapid growing China's GDP, it will continue to drive up the domestic energy consumption. The renewables, such as nuclear, wind and solar energy are no doubt seen as the favorable means to complement the energy shortage. A Stronger and Smarter Grid in China will pave the road of the renewables utilization and raise energy efficiency to cut emissions.

Grid is the world's most complex man-made systems, information, mass, control complex, which also determines the different national conditions, the country's development direction and focus of the smart grid are also different. In China, strong smart grid is primarily a strong grid, whose extra-high voltage technology has core characteristics including long distance, high capacity and low loss efficiency. But "should be 'strong' and 'smart' the advantages of a collection in one person." This view is being more recognized and accepted. UHV grid as the backbone, with coordinated development of subordinate grids at all levels and support of IT & telecommunication platform, featured by IT-based, interactive and automated. Strong and Smart are two basic requirements for modern power grid development. Strong is the basis and smart is the key. Combination of strong grid structure and grid smartness is the feature of describing modern power grid development by integral and systematic means. Furthermore, the end-users and distribution networks in China are not as mature as most developed countries, and the penetration rate of small-scale renewables are relatively low at the moment. In fact, growth of renewable energy in the country is primarily driven by large-scale projects that do not directly connected to end-users. Given these conditions, it is expected that initial stages of the Chinese smart grid plan will focus on the ability of controlling bulk electricity transfer efficiently, and then moves towards end-users and services integration in the next stages when the users are becoming more ready.

At the same time, the second stage of China's Smart Grid plan, from 2011 to 2015, not only focus on accelerating UHV, urban and rural grids construction, but also establishing the basic framework for smart grid operation control and interaction, achieving the projected advancements in technology and equipment production, mass deployment. For example, in China 'smart grid', are estimated to be a nearly \$100 billion opportunity over the next five years. With total power capacity set to reach 1,430 gigawatt by 2015 from 874 gigawatt at the start of 2010, China has to figure out how to bring trillions of kilowatt hours of power to more than a billion customers, sometimes over very long distances.

Smart-grid technology brings power grids into the telecommunications age, connecting "smart meters" in households and businesses to central monitoring systems capable of detecting and redressing outages or overloads in an instant.

The installation of smart meters alone will be worth \$3.1 billion in 2011, up from \$2.4 billion this year, according to estimates by the China Electricity Council -- and foreign firms are already looking to supply components, control and automation systems, and know-how. (from Reuters)

With this mind, the CDMC Smart Grid Series Forum, as a professional and unparalleled communication platform, concentrates on supporting an intelligent network and a global vision to our high-level worldwide industrial partners for three year. The 3rd Annual Smart Grid Forum China Focus 2011 (Sep. 14th -16th 2011) will bring industry thought leaders and a focused group of audience together to discuss the policy & the regulatory landscape, smart grid standardization, customer-side issues (billing, metering & CRM), ICT, smart distribution and smart integration of renewables.

The Organizing Committee of the 3rd Annual China Smart Grid Forum 2011 is looking forward your participation in Shanghai.

For Sponsorship & Registration please contact

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