

Power Networks Drivers and Trends

Session Chairman
Dr. Pierre Kayoun
Nexans, France



Ladies and gentlemen,
this afternoon it is my pleasure to welcome you and speak about Power Networks, Drivers and Trends. The first 2 presentations will cover the subjects of transmission and distribution networks in North America and in Europe. In the following 2 presentations we will cover China and the Middle East.

I would like to remind you that some events like the 2003 black-outs in several places in the world and the storms in the US or in Northern Europe have stimulated a new thinking of the electricity networks. On top of these external events, people are becoming more and more aware of the aging of these networks. A lot of these networks are more than 30 to 35 years old. These elements have to be taken into consideration, in particular at a time when liberalization of the energy markets is accelerating and the incentives being put in place. Also one should not forget the diversity of the energy sources. All of this will impact the transmission and distribution network designs.

These drivers will play a role in the different energy policies around the world. It is quite a difficult equation for the investors, the regulators, the utilities to guarantee the security of the supply, the reliability of the networks, and improve their efficiency, to keep on guaranteeing the protection of the environment and make sure that we have a good enough competitiveness in the networks.

Power Networks, Drivers and Trends

1 Year after the Energy Bill

Edward Gray – National Electrical Manufacturers Association (NEMA) - USA

1 Year before the European Liberalization

Per Hallberg – Vattenfall, Belgium

Challenges related to the Expansion of the Chinese T&D Networks

Shanlin Wen – National Electrical Manufacturers Association (NEMA) Beijing, China

Evolution of the GCC Power Grid

Satish Sud – SNC Lavalin - Canada

We are going to have 4 presentations this afternoon. The first one will be dealing with the networks in North America and in particular, with the very important event that happened last year, concerning the energy bill that was voted in August of last year. We have Mr. Edward Gray from NEMA, the National Electrical Manufacturers Association, who will speak about the impact of this energy bill in very thorough detail and he will try to connect that to our cable world.

Ed has a long energy experience, working in the field for more than 30 years. He has been working for NEMA, working for TVA. He has been the co-author of numerous provisions of the EPAct, that he will discuss. He is presently the director of the energy infrastructure at NEMA. Thank you very much and welcome Ed.