



## **Abstract of Keynote Speech 3**

### **Where Does the Electricity Reliability Come from in Korea?**

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#### **Abstract**

Electricity is a vital energy for the industries of a country as it serves the role comparable to the artery of human body. Moreover, electrical energy affects the industries and safety of people of a country differently depending on energy sources and transmission methods, making it all the more important to ensure reliability of power plants and transmission facilities to support stable supply of electricity to the national grid.

Currently, a number of researches on improving reliability of facilities considering the characteristics of power generation sources and transmission methods are underway in the academia as well as industries. In line with these efforts, the power industry is studying methods for managing key parameters necessary to support the researches.

I have been involved in various projects and policy-making processes for improving performance and reliability of power plants and related facilities for over 40 years of my career in the Korean power industry in my capacity as an former O&M manager and R&D researcher in KEPCO and a former Deputy CEO & COO of KHNP. Throughout the years, I built and maintained a close cooperative relationship with the academic circle and research institutes to produce tangible results.

On this occasion, I would like to share the accomplishments in “enhancement of performance and reliability” of Korea power facilities, which are achieved by implementing the policies I have put together, and then I will summarize the status of the reliability of power facilities in Korean power industry.