Siemens PTI holds Network Planning Workshops at China Design Institutes

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In China, network planning for utility networks is often performed by design institutes (DIs) that act as a network consultant but also operate as an engineering procurement construction (EPC) contractor. Their main purpose is to design and reinforce existing transmission and distribution networks in China, but they are exceedingly working for utilities in other regions in Asia and Africa.

As the development of master plan studies for these international transmission and distribution networks is gaining in importance, the DIs are in need of training and suitable software tools from external partners who have long-term experience in performing these studies.

From March 26, 2014 to June 3, 2014, Siemens PTI’s Dr. Holger Mueller was invited by several important Chinese DIs to hold workshops on master plan studies for their technical engineers. He visited the Electric Power Planning & Engineering Institute in Beijing (EPPEI), Central Southern China Electric Power Design Institute in Wuhan (CSEPDI), Hubei Electric Power Survey & Design Institute in Wuhan (HBEDI), Northeast China Electric Power Design Institute in Changchun (NEPDI), and East China Electric Power Design Institute in Shanghai (ECEPDI). An additional workshop was held at the Beijing utility.

According to the expectations of the different DIs, the workshops included a summary of important tasks performed in master plan studies as well as an introduction into the technical background, necessary data, theory and utilities’ main requirements that accompany these studies. It was also important to show differences and similarities in the challenges and trends for electrical networks in different regions of the world. Holger Mueller introduced a number of different case studies and experiences gained from PTI projects to share best practices and evince PTI’s experience in the field of master plan studies. Cao Chenglu, Head of Siemens PTI in China, and Li Ke and Yao Wang from Siemens participated in the workshop on behalf of Siemens Limited China.

After the workshops, Siemens PTI received very positive feedback. Both sides are expecting further and closer cooperation on several topics.
About Customers:
EPPEI: As a national consultation institution for high-end clients, Electric Power Planning & Engineering Institute (EPPEI) mainly provides services to the government, financial institutions, electric power industry and relevant enterprises. Its main business area covers: studies related to the electric power industry, e.g. development strategy, power planning, industrial policy, new technology R & D, etc.; engineering review, evaluation, and consultation for power projects; as well as the scientific research and standardization work. EPPEI is qualified by the National Development and Reform Commission (NDRC) to conduct the evaluation of electric power projects.

CSEPDI, NEPDI, ECEPDI: Three of the six big DIs, located in Wuhan, Changchun and Shanghai respectively. Each of them holds Class A engineering design comprehensive qualification and Class A qualifications for comprehensive engineering survey. Additionally, they specialize in EPC contracting, engineering consultation, cost consultation, environmental impact assessment, preparation of water and soil conservation schemes for development and construction projects, geological disaster control engineering, geological disaster fatalness evaluation and mapping, operation qualification certificates for overseas contracted projects, qualification certificates for import and export enterprises and high-tech enterprise, and they serve as tendering agencies for construction projects.

HBEDI: As a provincial DI, HBEDI has high qualifications and class-leading ability in the fields of electric power generation, transformation and transmission lines; particularly working in projects related to small, medium and large fossil fuel power plants, extra high-voltage electric transmission lines, and substations. With its world-class technical edge, the Institute covers planning, survey, design, construction and operation in thermal power, renewable energy, power grid and infrastructure.