



Abstract of Presentation

Panel Discussion on “Smart Grid in Asia”, IERE TIS-Asia Meeting 2013

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Presentation title: **Introduction of Smart Grid Test Facility and the Example Cases**

Mitsubishi Electric Corp. (MELCO) is constructing a test facility to promote the R&D of Smart Grid technologies, which could contribute to the stable and efficient supply of electricity and also contribute to develop and evaluate the new business model in power sector. The facility is composed of new generation equipments such as mega-solar, and batteries, and new power devices such as small size of SVC and new types of power conversion systems. Many technical developments for powers system dispatch and control such as advanced EMS/SCADA, DAS and AMI, will be tested and the effectiveness of algorithms and functionalities will be proved.

The speaker presents the in-house facility at MELCO, which is now under construction to promote the research and development of smart grid technologies. The future electricity supply system could be simulated and analysed on the facility. In addition, several MELCO's ICT technologies, which are applied to electricity supply business, are introduced.