



## **Abstract of Presentation**

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

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Presentation title: **Smart Grid Solutions**

Firstly, we would like to introduce the main products of Social Infrastructure System Company, one of the core business divisions of Smart grid. We can provide total solution for social infrastructure with broad range of products, Transmission & Distribution systems, Super Rechargeable Batteries, Solar Photovoltaic Systems and Energy Management System ( $\mu$ EMS) are smart-grid related products.

Secondly, we would like to introduce our smart grid system. We have history and experience to provide to transmission and distribution systems. Taking advantage of this experience, we propose various solutions, such as energy-saving measures, transmission and distribution loss reduction, fluctuation reduction of renewable energy sources, etc. Now, we propose the solution based  $\mu$ EMS which developed the technology of the conventional EMS.

$\mu$ EMS was developed for smart grid, which monitors and controls for keeping energy balance in the micro grid.

Thirdly, we would like to introduce Battery system, which becomes the key component of smart grid. Batteries should be utilized mainly for 2 purposes, fluctuation reduction of renewable energy and demand peak shifting. Because the output of renewable energy can be fluctuated by various factors such as the weather condition, renewable energy can cause a negative impact on the grid.

Finally, we would like to introduce our domestic and overseas projects. For example, Miyako island, Yokohama in Japan, Italy and US. We provide globally over 33 Smart Grid systems now.