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Sojitz Corporation

## **Next-Generation Energy Technology Verification Project Begins at Huis Ten Bosch in Nagasaki**

### **Smart Grid Application Technology Being Tested with Other Participating Companies**

Sojitz Corporation and other participating firms\* have started a next-generation energy technology verification project using a smart grid (a next-generation electric transmission network) at Huis Ten Bosch in Sasebo, Nagasaki. The project was selected by the New Energy Promotion Council, as a 2011 Next-Generation Energy Technology Verification Project and is intended to support reductions in electricity consumption as well as the development and operation of future smart cities that obtain high percentages of their energy internally from new energy sources. Project expenses for the first year (2011) are approximately 500 million yen, and if the project is continued next year and later, total expenses will be approximately 1.5 billion yen over three years (until 2013). The project will receive subsidies from the national government up to one-half of the first-year expenses, or approximately 250 million yen.



Photo of Huis Ten Bosch

#### \* Participating companies

Sojitz Corporation (overall oversight and representative firm), Sojitz Kyushu Corporation, Sojitz Research Institute

ITOCHU Techno-Solutions Corporation, Oki Consulting Solutions Co., Ltd.

People Power Company, SIIS Inc., System Five Co., Ltd.

KB Software Corporation, Doinet Co., Ltd., BeOrg co., Ltd.

NDKCOM Co., Ltd.

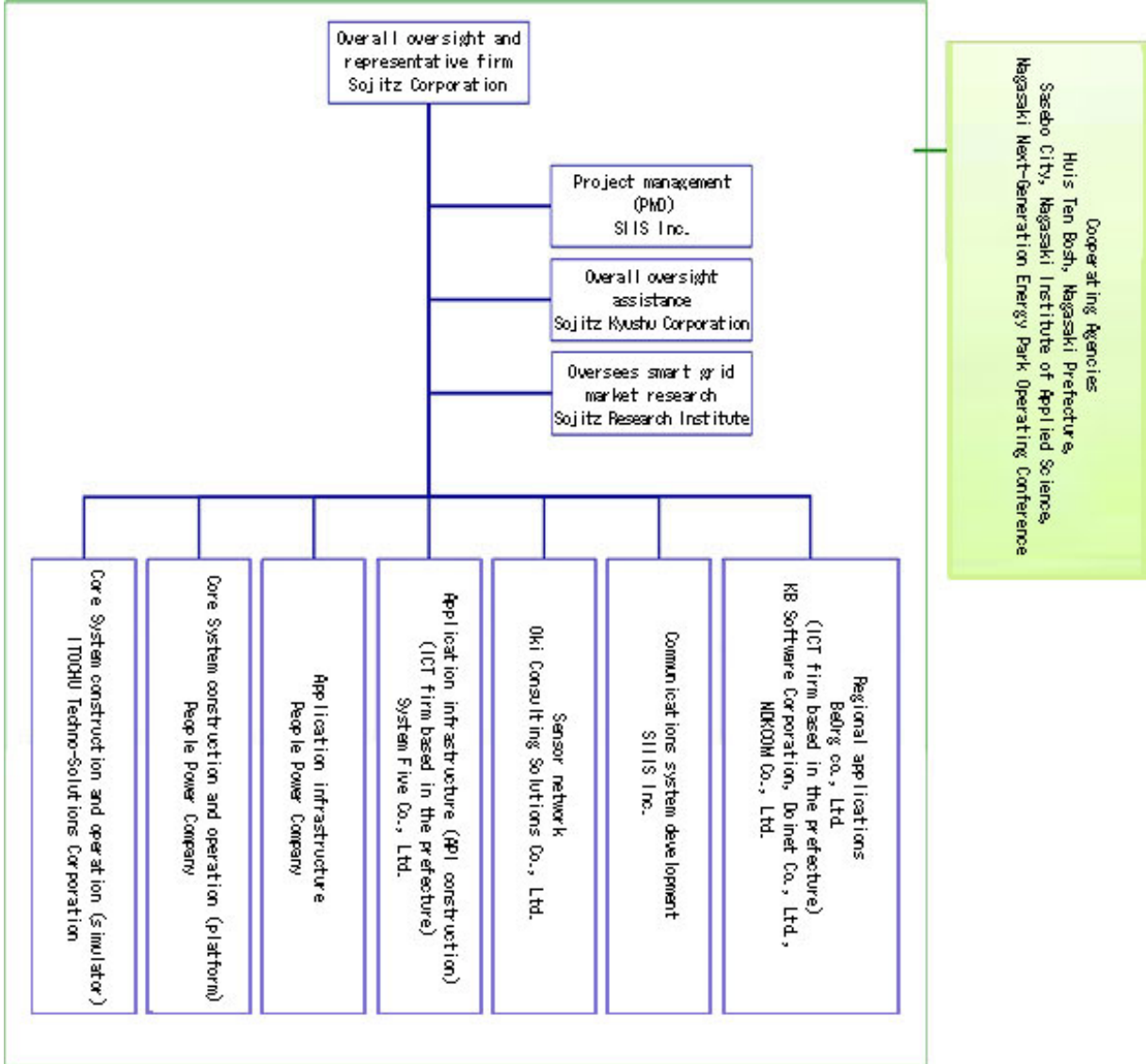
Huis Ten Bosch received certification from METI in 2007 as a next-generation energy park. The park is an electricity self-sufficient community that uses cogeneration and solar power. Since it has its own distribution network, it is an ideal environment for verification.

The verification project, which will take place over three years, will be used to make electricity supply and demand forecasts using ICT including smart meters (next-generation electric meters), set target self-sufficiency rates, and determine initial investment and operating costs for system facilities by building a self-sufficient electric power system that uses solar power and batteries to establish an optimal model that balances of supply and demand. The ultimate goal of the verification project is to deploy the adopted electricity supply and demand model in other regions in Japan and overseas.

The global smart grid related market is expected to grow from approximately 940 billion yen in 2009 to approximately 5.8 trillion yen in 2020. Since the Great East Japan Earthquake in March of this year, interest has increased substantially in Japan in the development of an energy-saving, low-carbon society by employing smart grid technologies.

■ Reference Information

Verification Project Implementation Structure



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