

Siemens And Diamond Energy To Pilot Demand Response In The Commercial Building Sector In Singapore

Singapore: Siemens and Diamond Energy have signed a memorandum of understanding, to collaborate on a multi-phased Demand Response services implementation. The collaboration will commence with a pilot project that aims to demonstrate the feasibility of implementing customised technology and solutions to deploy Interruptible Load (IL) operations, and to explore demand response in The Siemens Centre in Singapore.

The existing IL scheme in the National Electricity Market of Singapore enables consumers to be paid in return for having a portion of their electricity supply on standby for temporary interruption.

Demand Response is a further enhancement to the electricity market which allows consumers to reduce or shift their power usage during peak demand periods in exchange for payments. In this way consumers are rewarded for being flexible in their electricity consumption and are able to benefit from having lower electricity purchase costs.

Under a multi-year partnership, a pilot programme will be implemented by the two companies in a first of its kind pilot project at The Siemens Centre in Singapore. Siemens will supply components such as smart meters and other communication equipment. It will also conduct site surveys for equipment installation, and supervise installations



(L-R) Peter Halliday, head of building technologies, Siemens ASEAN; Anand Menon, CTO, smart grid, Siemens ASEAN; Rageni Chandralela, head of smart grid, Siemens; Lothar Herrmann, CEO, ASEAN-Pacific, Siemens; Chee Hong Tat, CE, EMA; Zainul Abidin Rasheed, chairman, Diamond Energy Group; Dallan Kay, president & CEO, Diamond Energy; Steffen Ender, city account manager, Siemens

with engineering services provided by Diamond Energy.

Diamond Energy, one of the largest Interruptible Load Aggregators in the National Electricity Market of Singapore, will manage the IL operations and the pilot demand response program using its proprietary platform. It has been working with the industrial and manufacturing sectors to participate in the IL scheme since 2006.

Following the completion of the pilot project, both companies intend to showcase and present the technology and solutions under the pilot project to suitable potential customers in Singapore, to promote further implementations.

This pilot project is timely, as the Energy Market Authority (EMA) is reviewing the implementation of a

Demand Response programme in the National Electricity Market of Singapore.

Both companies believe that this project will provide a case study on the feasibility of demand side management operations, which can be implemented in commercial buildings. As such, how the overall efficiency of the energy market in Singapore can be improved as a result.

The pilot project, when completed, is expected to provide reductions to the energy usage of The Siemens Centre when called upon. Under the IL scheme, Diamond Energy will make payments to the participating contestable consumers based on their availability to reduce their electricity demand by pre-determined quantities when asked to do so.

Kuka Systems Acquires Plant Engineering Business

Sterling Heights, US and Augsburg, Germany: Kuka Systems Group has acquired the plant engineering business of privately owned Utica Companies of Shelby Township, MI, a welding equipment specialist and supplier to the automobile industry. With this transaction, the company becomes the number one manufacturing systems supplier to the North American automotive sector.

Both companies' core market is automotive assembly although Kuka Systems has diversified successfully into building production lines and platforms for aerospace,

energy and other industries.

The Utica acquisition primarily covers automobile assembly-related assets in southeastern Michigan. The company will absorb Utica's body structure business that builds car body assembly lines and subsystems. Also being acquired will be products like laser welding heads, net form and pierce systems for high accuracy in joining body sections, standard press room automation for metal stamping and hang-on technologies for installing doors, hoods and other parts on assembly lines.