

MEIDEN Received Distinguished Service Award (for the Facility Reconditioning Works After the Quake) by JS

On 22nd March 2012, Japan Sewage Works Agency (“JS”), an organization for sewage engineering field in Japan, held an award-giving ceremony for the distinguished service for reconditioning the facilities hit by the Great East Japan Earthquake (the “Quake”) on 11th March 2011. This award is given to the organizations who demonstrated the excellent work of reconditioning for the affected water processing facilities hit by the Quake.

On our part, this award recognized that our company rushed to the project sites right after the Quake and worked very hard to put the damaged sewage treatment plants up and running again as soon as possible. Back then, the affected areas suffered the problems of repair materials shortage and the incessant aftershocks of the Quake. Even against such backdrop, the Company continued to work hard to restore and rebuild the plants back to normal.

JS recognized our reconditioning works on the



following two project sites:

- (1) South Miyagi (Ken-nan) Sewage Treatment Center in Miyagi Prefecture, Japan
- (2) Ofunato Sewage Treatment Center, Ofunato City, Iwate Prefecture, Japan

MEIDEN Received an Excellent Award Related to “the Development and Commercialization of the Microgrid Central Controller for Singapore A*STAR’s Center for Energy Research” during JEMA Technical Contribution Ceremony

During the 61st JEMA (Japan Electrical Manufacturers’ Association) Technical Contribution Award Ceremony in April 2012, JEMA honored us with the Excellent Award related to the Development and Commercialization of the Microgrid Central Controller for Singapore A*STAR’s Center for Energy Research. We received a certificate and a memento.

We developed an experimental demonstrative 1MW power grid facilities plant for microgrid research (Experimental Plant). This plant offers unprecedented multiple functions and expandability. This facility is the Experimental Power Grid Centre (EPGC). EPGC is an organization under the Institute of Chemical and Engineering Sciences (ICES), a member of the Agency for Science, Technology and Research (A*STAR). A*STAR EPGC was established to support Singapore’s goal of developing a smart energy economy.

This Experimental Plant is composed of the microgrid central controller, Distributed Energy Resources (DERs), load, and a system to emulate/simulate a wide range of



grid conditions and disturbances. The plant could perform control tests on DERs integration in grid-connected and off-grid environments. The plant could operate a maximum of four (4) sets of power lines at the same time under the simulated power grids.