

June 17, 2016

## ELIY Power Delivers Large-Sized Electricity Storage System to Takenaka Corporation

ELIY Power Co., Ltd. (Head Office: Shinagawa-ku, Tokyo, Japan; President: Hiroichi Yoshida) today announced that it has recently delivered a large-sized electricity storage system it jointly developed with Takenaka Corporation (Head Office, Chuo-ku, Osaka, Japan; President & COO: Masahiro Miyashita) to the Mido Building, where Takenaka's Osaka Main Office is located. This system is part of the power supply system designed for the business continuity planning (BCP) of buildings.



Large-Sized Electricity Storage System



The Mido Building, home to the Takenaka Corporation

ELIY Power's large-sized electricity storage system was selected for its high level of safety and the long life of the large lithium-ion battery that has been developed and manufactures. The battery does not generate smoke or ignite even when it is subjected to a nail penetration test (for internal short circuit), a crushing test, and an overcharge test. It is also greatly evaluated as a high capacity retention of 80.1% or more\* after it is repeatedly recharged and discharged over a period of 10 years, or around 12,000 times.

\* This value is estimated based on ELIY Power's acceleration test data under the conditions of a room temperature of 23°C and three cycles of full recharge and discharge per day (at a depth of discharge (DOD) of 100%).

At the building, some of the functions of the electricity room in the basement were moved to the second floor and the rooftop to avoid tsunami flooding following a major earthquake, such as the earthquake that is forecasted to occur along the Nankai Trough. ELIY Power delivered a large-sized electricity storage system with a storage capacity of 64 kWh and an output of 100 kVA (in three phase system at 200 V). In non-emergency situations, it serves as a power saving solution by means of peak shifting. In the event of a power failure, it supplies electricity to dedicated outlets on individual floors.

Since it was established in 2006, ELIY Power has placed top priority on safety in its activities to develop technologies and products. In the future, it will continue its endeavors to develop and spread lithium-ion battery cells and electricity storage systems in accordance with its philosophy of popularizing systems for storing and consuming energy in a bid to solve global energy issues and environmental issues.

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