

JM Energy Expands Research and Development Facilities for Lithium Ion Capacitor

JM Energy Corporation has decided to expand its research & development facilities in order to strengthen its research and development functions. The construction is scheduled to be completed in June 2013 and will cost, in addition to the introduction of testing equipment and other items, roughly ¥800 million.

This expansion is for the purpose of strengthening JM Energy's R&D and evaluation system so that the company can respond swiftly to the expanding needs of our customers. The company is already providing a wide range of energy-saving solutions which utilize its Lithium Ion Capacitor Series ULTIMO®. By expanding our facilities and fleshing out its collection of testing devices with machinery including charge-and-discharge devices and analytic equipment, the company will continue to advance its development towards even higher energy density and lower resistance LICs.

Lithium Ion Capacitor (LIC) is a type of large-capacity capacitor that functions as an electrical storage device that is expanding capacitors' application range thanks to its high output density, high energy density, and high voltage. JM Energy's ULTIMO® has particularly low resistance as well as cycle performance (over 1,000,000 times) equal to or greater than that of electric double layer capacitors (EDLC).

JM Energy's ULTIMO® product line-up includes a thin and light laminated type in addition to a flat prismatic type which has superior durability and has, through thorough technical development and marketing, built up field experience with the selection for use in applications ranging from low-voltage stationary industrial machinery all the way to high-voltage mobile devices.

As the world continues to demand low-energy and environmentally-friendly solutions, JM Energy will continue to provide a wide range of solutions for energy efficiency and also contribute to the rapid improvement of the performance of new devices in renewable energy fields like wind power and solar power; all sorts of industrial machinery including construction machinery and momentary voltage drop compensators; medical devices; mobile devices including unmanned shipping devices and automobiles; as well as in fields with extremely wide application ranges such as rapid charge-and-discharge, energy regeneration, peak assist, and the averaging of electrical power.

<Overview of JM Energy Research & Development Facilities Expansion>

- Construction : Steel construction (3 floors)
- Total floor space : 3,517 m²
- Start of Construction : February 2013
- Scheduled Completion : June 2013
- Investment Amount : Roughly ¥800 million
(includes cost of testing equipment to be installed)

