## Upcoming Events

**Saudi Energy 2014**
Monday, 26 May, 2014 to Thursday, 29 May, 2014

**Oreba**
Monday, 26 May, 2014 to Wednesday, 28 May, 2014

**2nd Annual California Energy Summit**
Wednesday, 28 May, 2014 to Friday, 30 May, 2014



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Wed, 09/25/2013 - 11:29 -- Tim Probert

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**Japan could start building the world's largest storage battery system, as well as begin experiments to control fluctuations from renewable energy sources, as early as this autumn.**


For the project, Hokkaido Electric will build what is called a redox flow battery system, produced by Sumitomo, at a substation in the town of Abira, 500 miles of Tokyo. The system – a 60 MWh vanadium redox flow battery – will be as high as a six-story building.

A redox flow battery repeats charging and discharging operations in a tank, using an electrolytic solution of a metal known as vanadium. The system will have a lifespan of 10 to 20 years.

The Ministry of Economy, Trade and Industry, which has allocated 20bn yen ($202m) to cover the full cost of developing and manufacturing the system, believes the introduction of redox flow batteries will enable utilities to buy 10% more electricity from renewable energy sources.

flow battery sumitomo Hokkaido

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### NEI initiates water-based Li-ion electrolyte

NEI Corporation has revealed that it is developing a lithium-ion battery where the electrolytes are dissolved in water instead of an organic solvent. The aqueous-based lithium-ion battery has the potential to eliminate the risks associated with state of the art lithium-ion batteries, where the organic solvents are highly flammable.

### NEC completes A123 buyout

NEC Corporation has announced the completion of the acquisition of A123 Energy Solutions, the grid energy solutions and commercial energy systems business of A123 Systems, LLC., from China's Wanxiang Group.

### Indomobil and Furukawa launch Indonesian battery JV

Japanese battery manufacturer Furukawa Battery and automotive distributor Indomobil Sukses Internasional have struck a deal to set up two joint ventures in Indonesia as part of their expansion plans for the country.

### Microporous appoints two key staff

Microporous, a leading developer and manufacturer of separators for lead acid batteries, has hired John Timmons as Vice President of Technology and Parker Sword as Sales Manager, Americas, at its Piney Flats, Tennessee, headquarters.

### Sanmina and Primus in grid-scale storage deal

Sanmina Corporation and Primus Power have announced a manufacturing agreement focused on the growing energy storage market. Sanmina is a leading integrated manufacturing solutions company while Primus Power has developed the EnergyPod, a safe, low cost, distributed energy storage system.

### New CEO for ViZn

### Energy Systems

ViZn Energy Systems, Inc., a pioneer in large-scale energy storage technology, has appointed Ron Van Dell as its new president and chief executive officer.

### New hybrid battery combines storage technologies

Germany's ASD Automatic Storage Device is to present its new hybrid battery, combining the strengths of stand-alone and grid-tie storage systems, at Intersolar 2014. Compared to existing batteries, the new device significantly raises a household's degree of self-sufficiency, frequently to over 80%, the company claims.

### TIAX launches advanced battery company CAMX Power

TIAX's Advanced Battery Materials & Design Division has become a separate company, CAMX Power LLC, to be co-located with TIAX and operating as its subsidiary, according to a statement from Dr. Kenan Sahin, president and founder of TIAX LLC.

### Dual-carbon batteries revealed by Power Japan Plus

Power Japan Plus has revealed a novel battery chemistry, with both anode and cathode made of carbon. The new cell, known as the Ryden Dual-Carbon Battery, promises energy density equal to current lithium-ion cells, but less capacity loss over time and far greater safety, it's developers claim.

### Battery substitution to impact on passenger cars - study

There would be a significant impact on the overall performance and cost of vehicles if established battery applications were to be replaced with alternative technologies, according to a new study published by European automotive and battery industry trade groups, including EUROBAT.

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