



**RedFlow Limited**

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**First RedFlow ZBM for US Demonstration**

Electricity storage system company, RedFlow Limited (ASX:RFX), announced today that it has supplied a zinc bromine battery module (ZBM) for testing in US, the first one in that country.

The ZBM is being tested by Sandia National Laboratories (SNL) as part of a multi-phase project to develop advanced performance metrics for flow battery systems.

RedFlow's ZBM is designed to either stand alone or be integrated into larger electricity storage systems. It is configured as a building block allowing scaled storage solutions from smaller kilowatt to larger megawatt-scale applications.

RedFlow is already supplying energy storage systems to meet the requirements of the distribution utilities in Australia and New Zealand.

RedFlow CEO, Phil Hutchings said this step was an important component of the company's plan to systematically grow its sales profile.

"Sandia National Laboratories is one of the world's leading laboratories in the energy sector, and is highly regarded

"A second unit will be supplied early in 2012 to further progress the testing and characterisation," Mr Hutchings said.

This collaboration will advance the goals of SNL, the Department of Energy and RedFlow by improving energy storage testing and evaluation practices and in turn helping to bring RedFlow's unique energy storage technology to North America.

This work is funded by Dr Imre Gyuk of the Department of Energy Office of Electricity, Energy Storage Program.

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### **About Sandia**

Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000.

Since 1949, Sandia National Laboratories has developed science-based technologies that support U.S. national interests and security. Sandia is a government-owned/contractor operated (GOCO) facility. Sandia Corporation, a Lockheed Martin company, manages Sandia for the U.S. Department of Energy's National Nuclear Security Administration.

The U.S. DOE Energy Storage Systems Research Program (ESS), managed by Sandia National Laboratories in Albuquerque NM (Sandia), has evolved over three decades of successful battery and power sources research, engineering and testing, especially as storage technologies relate to electric utilities, renewables, and grid security. The DOE Energy Storage Systems Program (DOE OE/ESSP) is part of the Office of Electricity Delivery and Energy Reliability at DOE.

More information can be found at <http://www.sandia.gov/index.html> and <http://www.sandia.gov/ess>.

### **About RedFlow**

RedFlow manufactures and sells electricity storage systems (ESS) based on its IP-protected zinc-bromine flowing electrolyte battery module (ZBM). RedFlow's 5kW/10kWh ZBM is light-weight, compact and with volume manufacturing, low cost compared to alternative batteries. RedFlow manufactures both ZBMs and ESSs at its Brisbane factory.

RedFlow ESSs have standard capacities of 10 to 20 kWh, and the range is being extended to the megawatt class with the M-category prototype under development. They are designed for peak load management and smart grid support in electricity networks, inclusion in hybrid solar and diesel generating stations and to add value to intermittent generation from renewable energy sources.

More information can be found at [www.redflow.com](http://www.redflow.com)