



Next Generation Battery Technology

Press release
September 7th 2017

OXIS AND NASA JOIN FORCES

OXIS Energy is collaborating with NASA in the development of high specific energy Lithium Sulfur cells. Both companies will draw on their expertise for applications where weight is crucial, for example, drones, balloons, high altitude aircraft and defence for both terrestrial needs and for planetary missions.

Both companies will benefit hugely from this association - it will help NASA to improve its understanding of the capabilities of Lithium Sulfur technology and OXIS to develop pouch cells meeting NASA's long term battery requirements.

OXIS will supply their latest generation of Ultra Light cells to NASA JPL Laboratory for evaluation in its facility in Pasadena, California. NASA will undertake to evaluate the cells under different conditions in order to assess energy density, low temperature performance, cycle life, self-discharge and calendar life.

Both NASA and OXIS technical teams will work closely together to assess the performance of OXIS cells in order to meet the requirements of the above applications.

Huw Hampson Jones, CEO of OXIS says "Oxis Energy is delighted to be working so closely with such a world class partner. We know from our collaboration with European and Chinese space agencies that for every 1kg of battery weight saved, it equates with a launch cost saving of in excess of US \$20,000. When Lithium-Ion batteries are weighing in at several hundred kilos, the savings of deploying OXIS Lithium-Sulfur would amount to several million dollars for the Space Agencies. The benefit of NASA evaluating OXIS Lithium Sulfur cell technology is extremely important in providing empirical data as to where else in aviation and defence this technology may be applied."

The NASA/OXIS test results will be the joint property of both companies and will not be shared with anyone else nor presented at conferences without the approval of OXIS.

About OXIS Energy Limited

Powering the Revolution in Transportation

Since 2004, OXIS Energy has been involved in the design, development and now the move towards commercial production of Polymer Lithium Sulfur cells for battery systems. With 35 patent families, OXIS has been granted 101 patents with 103 pending. The chemistry and technology is environmentally friendly. OXIS has demonstrable empirical data justifying its claim on the inherent safety of its battery technology.

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