

Press release

November 4th 2014

OXIS ENERGY IS LEADING THE WORLD WITH ITS LATEST CELL ENERGY DENSITY AND CAPACITY

In 2014 OXIS has developed its largest Lithium Sulfur cell achieving in excess of 300Wh/kg. This outperforms Lithium ion technology that has dominated the performance battery market for many years. In addition OXIS has achieved an increase in cell capacity to a 25Ah cell – a world first.

This achievement is a twelve fold improvement in 18 months which gives OXIS the confidence to predict that it will achieve a cell capacity of 33Ah by mid 2015.

Vehicle manufacturers are already reviewing and evaluating the cell technology.

The OXIS scientific team is moving on apace and expects to achieve a goal of an energy density in excess of 400Wh/kg by the end of 2016 and in excess of 500Wh/kg by the end of 2018.

The cells continue to display the enhanced safety features that characterise Li-S with superior safety performance attained in a barrage of industry-standard tests.

OXIS is collaborating with leading European companies and universities to harness the new material developments which will enhance energy density and cyclability and will have wide-ranging benefits such as eliminating distance anxiety in electric vehicles.

The modelling techniques being perfected allows the OXIS scientific team to predict and improve battery performance and operating conditions pertaining to a number of applications including automotive applications.

Achieving the automotive targets is accelerating developments for additional markets such as marine, UAV's, energy storage and military applications that require ultra-light weight battery solutions which may lead to many spin off projects and additional collaborations in the future.

According to OXIS' CEO, Huw Hampson-Jones, "OXIS Energy is set to remain at the forefront of the world's leading battery technology with these significant improvement gains. They are being made in partnerships with British and European academic and research institutions such as LEITAT of Spain, TNO of the Netherlands and the Foundation for Research and Technology in Greece. OXIS is on schedule to release commercial cells for use in applications in the USA and Europe in 2015."

About OXIS Energy Ltd

Since it was founded in 2005, OXIS Energy Ltd. has been at the forefront of developing Lithium Sulfur battery technology. During the first phase the company invested heavily in design and development and is now ready to move into the production of Lithium Sulfur cells for a series of applications. With 19 families of patents, OXIS has been granted 60 patents with another 55 pending.

One of the most important breakthroughs achieved by OXIS relates to safety. One of the problems with Lithium ion is its volatility but OXIS now has demonstrable empirical data to demonstrate the safety of its battery technology.

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