

Press Release

15 March 2010



ZENERGY POWER

Zenergy Power plc
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Zenergy Power plc ('Zenergy' or the 'Group')

Nanotechnology Grant for 2G Wire Development

Zenergy Power (AIM:ZEN.L), the superconductor energy technology company, is pleased to announce it has been awarded a €175k grant from the German Federal Ministry of Education and Research to further its development of nanotechnology engineering techniques.

The grant will fund the Group's participation in a collaborative project aimed at advancing the use of nanotechnology engineering to enhance the quality and consistency of layered architectures used in the production second generation ('2G') superconductor wires. Zenergy Power's patented approach involves the continuous application of functional layers by chemical deposition and is targeted to be the lowest-cost mass-manufacturing technique of 2G superconductor wire. Enhancements to surface quality, layer homogeneity and interface bonding by nano-engineering will lead to increases in wire current capacity and manufacturing yields; both of which will lead to reduced costs in the manufacture and production of the Group's superconductor energy applications.

The project named 'Northsee' ('The Nano-Organisation in high-temperature superconducting layer architectures for efficient energy technologies') is scheduled to run from March 2010 to February 2012 and will involve research contributions from the Technical University of Braunschweig and PerCoTech AG.

- Ends -

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About Zenergy Power plc

Zenergy Power is a superconductor energy technology company, quoted on the AIM market of the London Stock Exchange and comprising three operating subsidiaries located in Germany, USA and Australia. The Group's commercial focus is the innovation and manufacture of clean energy superconductor solutions that are capable of delivering huge efficiency and cost improvements to the generation, distribution and consumption of electrical energy.

Today, the Group's groundbreaking superconductive solutions are already delivering energy savings to industrial users of electrical energy and providing cutting-edge protection from electrical power surges to the United States electricity grid. Looking to the near future, the Group is currently developing a range of highly energy efficient superconductor components for a new class of electricity generator capable of delivering significant cost savings to the renewable energy industry. These cost savings will enable renewable energy to more effectively compete with traditional thermal power generation; leading to a greater reduction in carbon emissions and a more sustainable economic future.

In 2007, Zenergy Power became the first company in the world to complete a commercial sale of an industrial scale superconductor application and has subsequently developed products capable of addressing several multi-billion dollar global markets. Following this in the first quarter of 2009, the Group proudly became the first company to install and operate a superconductor smart grid device, capable of significantly reducing the damaging effects of large-scale power surges, into the United States electricity grid. In line with this leading industry position, Zenergy Power is also manufacturing core components for what is due to be the world's first superconductor electricity generator which is due for installation into E.ON AG's commercial hydro dam in early 2010. It is anticipated that the installation of the superconductor generator will increase the electricity output of this generator by 36%.

About superconductivity

Superconductive materials are capable of conducting electricity without any resistance and were first discovered in 1911 in what was to prove to be one of the most significant scientific breakthroughs of the 20th Century.

Superconductors enable:

- Energy intensive industrial applications capable of reducing energy consumption by 50%
- The protection of national power grids from blackouts
- The production of revolutionary light-weight, efficient 10MW class renewable wind generators capable of reducing the cost of offshore wind power by 25%
- The production of a new class of compact and efficient hydro generators capable of significantly increasing electrical power output from existing and new hydro dam structures

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