

Intelligent Renewable Energy for Worldwide Telecoms Networks

PowerOasis announces new Supervisory System Controller (SSC) offering renewable power to telecoms networks across the globe

Bath, 23 September 2008 – PowerOasis, a UK-based provider of renewable power solutions for mobile telecommunications networks, today announced the launch of its new Supervisory System Controller (SSC), which intelligently manages renewable power supplies to mobile networks, focusing on the unmet needs of emerging markets. The power controller manages all aspects of renewable energy generation and storage, enabling mobile networks to reduce their carbon footprint while minimising operating costs.

The number of mobile subscribers is increasing at an astounding rate; a further billion users are predicted to be added to the current figure of 3 billion worldwide by 2013. Emerging markets are strained without the infrastructure to expand and support mobile network needs. To date, mobile operators have powered their networks through power grids or diesel generators; not always the most environmentally sustainable or cost-effective solutions for remote areas.

The GSMA, the global trade body for the mobile industry, forecasts that by 2012 up to 50% of new off-grid base stations in the developing world could be powered by renewable energy. On many of these sites the incorporation of renewable power is now economically competitive and can reduce operating costs by as much as \$35,000 per annum on selected sites. In emerging markets without accessible grid power, and with fuel at a premium, networks are struggling to maintain coverage for their subscribers. The combination of historically-high energy prices and increasing awareness of industry's impact on the environment means that generation of renewable energy can offer an effective solution for emerging market mobile telecommunications.

“There is a great need for reliable, sustainable and cost effective systems that offer intelligent solutions to the growing demand for mobile networks in emerging markets,” said Nick Smailes, chief executive officer of PowerOasis. *“Increasingly, renewable energy is being recognised as an economically feasible answer. But integrating clean energy into the diverse needs of a range of remote networks cannot be done without an understanding of the unique challenges mobile providers face. The PowerOasis SSC allows mobile operators to overcome these issues and make sure that their customers get the mobile network access they need,”* he added.

Headquartered in the UK, PowerOasis bridges the telecommunications and renewable energy sectors with its products and services. Its SSC in particular offers a flexible solution providing telco-grade power for telecommunications in emerging markets.

The ability of the SSC to intelligently combine energy sources, including renewable power and diesel, enables optimal energy usage. The built-in alarm and monitoring capabilities of the SSC provide the additional versatility of performance monitoring, while real-time alerts enable fast response time and reliable network coverage.

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About PowerOasis

PowerOasis (www.power-oasis.com) is a UK-based provider of off-grid power solutions for mobile networks, with a unique combination of expertise in renewable energy and mobile telecommunications. PowerOasis helps mobile operators with power challenges including energy audits, power management strategies, business modeling and end-to-end project management. Through trials in the UK and Africa, PowerOasis has developed tools and skills for delivering successful renewable power solutions that combine power sources and energy storage, for each site. In 2008 the Carbon Trust awarded PowerOasis a grant to further its leading edge work in telecoms renewables.

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