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PhotonStar LED Group Plc

DECC Chief Scientific Adviser visits PhotonStar head office

DECC Chief Scientific Adviser David MacKay visited PhotonStar's head office in Hampshire last week following the commencement of shipping of the Halcyon BETA systems.

The shipping of the Halcyon systems, an intelligent wireless retrofit lighting system that was developed in the UK with the support of a DECC Energy Entrepreneurs Fund grant, began early last week to BETA testers in the UK.

As DECC's Chief Scientific Adviser, David MacKay - also a professor of Engineering at Cambridge University - ensures that the Department's policies and operations are underpinned by the best science and engineering advice available. His background is rich with educational qualifications, leading to his appointed at Regius Professor in Engineering at Cambridge University – a Royal academic title created by the monarch.

Halcyon utilises the PhotonStar Group's proprietary ChromaWhite colour tuneable technology and provides "Circadian" lighting that changes throughout the day to simulate daylight, with positive effects on health and wellbeing.

The system is a highly compatible data centric solution with an open interface for developers, and PhotonStar aims to collaborate with partners looking to provide new services through the data that can be gathered by the system. The same technology will be incorporated into commercial products.

For further information:

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James Mckenzie – Group Chief Executive
Russell Banks – Finance Director

Note to editors

PhotonStar LED Group PLC (stock ticker PSL.L) is a leading British designer and manufacturer of intelligent lighting solutions. The Group's proprietary technology HalcyonTM is a connected lighting platform that includes hardware and software for wireless, microprocessor controlled retrofit LED lighting and control systems, optimised for energy saving, circadian and data-centric applications.

As light is needed wherever there are people, the HalcyonTM platform can also provide a connected grid that will enable rich data collection, as well as an ecosystem to enable other devices to operate simply and more effectively as part of the so-called Internet of Things. The Group is working with partners on ways of using the HalcyonTM system to deliver new business models and solutions based on light as a service, behavioural insight and cloud services and with developers of standalone hardware items that will utilise Halcyon's local IoT infrastructure to optimise their functionality.

PhotonStar's ChromaWhite light source technology within HalcyonTM is optimised for "Circadian," or non-visual effects of light on humans. The Group is currently working

with partners to deliver low-cost lighting solutions that can help improve productivity, health and wellbeing in healthcare facilities, schools, workplaces and homes.

PhotonStar Group comprises two divisions - PhotonStar LED Ltd, whose architectural market is expected to see a rapid adoption of the new Halcyon system; and PhotonStar Technology, the developer of LED lighting solutions for specialist applications such as film & television production lighting, UV curing and medical.

Photonstar has won awards for performance, innovation and reliability, with its flagship light source technology ChromaWhite winning the Lighting Association's 'Light Source of the Year' Award for two consecutive years. The Group was also awarded the UKTI's Business Innovation Award for Energy and Environment in 2010 for a commercial lighting solution with embedded sensors and microprocessor control.