



6<sup>th</sup> January 2015

ProPhotonix Limited  
("ProPhotonix" or "the Company")

**ProPhotonix announces exclusive worldwide license agreement with the Tyndall National Institute and Cork Institute of Technology.**

*Unique laser module technology for applications in the Food, Industrial, Medical and Security sectors*

ProPhotonix Limited (London Stock Exchange - AIM: PPIX and PPIR, OTC: STKR), a designer and manufacturer of LED illumination systems and laser diode modules with operations in Ireland and the United Kingdom, today announces it is entering into an exclusive worldwide licensing agreement between the Company and Cork Institute of Technology and the Tyndall National Institute that will extend ProPhotonix' laser module solutions offering.

The license agreement covers and includes high power fiber laser module technology that was developed through Enterprise Ireland's Innovation Partnership Program in collaboration with the Centre for Advanced Photonics & Process Analysis (CAPPA) at Cork Institute of Technology (CIT) and the Photonics Packaging Group at the Tyndall National Institute (Tyndall) in Cork Ireland. These new capabilities build on ProPhotonix' existing laser module capabilities with high output power stabilities and high quality beam profiles by utilizing fiber optic arrays.

Due to their compact size, laser diode and fiber technologies are suitable for large scale integration into high density arrays, tight spaces or compact/handheld systems. With fiber core diameters as small as 2.5 microns and scalable power levels, these fiber-coupled modules offer high brightness and power at all wavelengths, for all applications. Using premium laser diodes, these laser systems reduce energy requirements and operating costs due to low power operation of the diodes. These modules are easily installed, replaced or removed and can be designed for Plug & Play functionality. The modules are offered with individual drivers, a single master driver board for laser arrays or can be designed to plug directly into our customer's own driver boards.

Simon Stanley, Managing Director, ProPhotonix Ireland, stated "We are delighted with the success of our collaboration with Tyndall and CAPPA and look forward to working together in the future to expand photonics technologies. These new capabilities provide a platform to develop a range of innovative product solutions for our customers in the industrial, security and medical markets for a diverse range of applications including food and pharmaceutical product sorting and semiconductor and biomedical inspection systems. The technology was developed to be "production ready" and will launch this new capability at Photonics West, from 10-12 February 2015 in San Francisco, California; booth 1100."

Dr. Liam Lewis, Centre Manager for CAPPA, commented "The relationship with ProPhotonix has grown steadily over the last year culminating in the development of a successful product. We are already looking at new projects and look forward to increasing our interaction with ProPhotonix in the future."

Professor Paul Townsend, Head of Photonics at Tyndall and Director of the Irish Photonic Integration Centre, commented "This is an exciting example of how Tyndall's world-class photonics research capabilities can be harnessed to help our industry partners develop high value technology ready for market deployment, with immediate impact on product portfolios and sales."

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## **About ProPhotonix**

ProPhotonix Limited, headquartered in Salem, New Hampshire, is an independent designer and manufacturer of diode-based laser modules and LED systems for industry leading OEMs and medical equipment companies. In addition, the Company distributes premium diodes for Ushio (formerly Oclaro), Osram, QSI, Panasonic, and Sony. The Company serves a wide range of markets including the machine vision, industrial inspection, security, and medical markets. ProPhotonix has offices and subsidiaries in the U.S., Ireland, U.K., and Europe. For more information about ProPhotonix and its innovative products, visit the Company's web site at [www.prophotonix.com](http://www.prophotonix.com).

## **About CAPP**

The Centre for Advanced Photonics & Process Analysis (CAPP) is a research group at the Cork Institute of Technology, working in the area of Photonics, the generation and manipulation of light. CAPP conducts both applied and fundamental research on photonics for applications in areas as diverse as telecommunications, medical devices, food and pharmaceutical manufacturing. A major strand of CAPP's activities focuses on bringing the benefits of photonics technology to a diverse range of industry partners, driven primarily through the Enterprise Ireland-funded CAPP Technology Gateway. Find out more at [www.capp.ie](http://www.capp.ie).

## **About Tyndall National Institute**

Established with a mission to support industry and academia in driving research to market, Tyndall National Institute is one of Europe's leading research centers in Information and Communications Technology (ICT) research and development and the largest facility of its type in Ireland. Set-up in 2004 as a successor to the National Microelectronics Research Centre (NMRC founded in 1982) at University College Cork, the Institute employs over 460 researchers, engineers and support staff, with a full-time graduate cohort of 135 students generating over 200 peer-reviewed publications each year. With a network of 200 industry partners and customers worldwide, Tyndall is also a lead partner in European research partnerships in its core areas of ICT, communications, energy, health and the environment. Find out more at [www.tyndall.ie](http://www.tyndall.ie).