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## Oxford Instruments' acquisition of Technologies and Devices International Inc (TDI) supports the drive for low energy light sources

Oxford Instruments plc has announced the acquisition of Technologies and Devices International Inc (TDI), a world leader in the development of Hydride Vapour Phase Epitaxy (HVPE) technology and processes. The acquisition is part of the strategy put in place by Chief Executive, Jonathan Flint, to acquire complementary technologies and double the size of the group over five years.

TDI's technology enables Oxford Instruments Plasma Technology to expand the range of products it already supplies to the High Brightness Light Emitting Diode (HBLED) market. HBLEDs are a very low energy light source and their widespread use will significantly reduce carbon emissions. Oxford Instruments is committed to supporting the conservation of energy resources and the preservation of the environment, and is delighted that this acquisition will strengthen and support this focus.

Oxford Instruments Plasma Technology currently supplies its Plasmalab range of etch and deposition tools to leading HBLED customers. The addition of HVPE opens up the opportunity to deliver products to the epitaxy sector of the market. TDI's leading edge technology gives HBLED manufacturers the benefits of lower manufacturing costs and improved output that HVPE delivers over conventional Metal Organic Chemical Vapour Deposition (MOCVD) techniques.

TDI will remain at its present US facility in Silver Spring, Maryland to assure continuity of supply to existing customers of HVPE grown III-nitride materials. Tatiana Dmitriev, President, and Dr Alexander Usikov, Head of Research & Development will continue to lead the team.

Andy Matthews, Managing Director of Oxford Instruments Plasma Technology, said: "This acquisition is part of our on-going strategy to deliver added value to our current and future HBLED customers and gives us the opportunity to supply new markets. We are delighted that TDI will be joining us, and look forward to working with them on developing the HVPE process further for the benefit of our customers."

Tatiana Dmitriev, President of TDI said: 'We are very happy to be part of the Oxford Instruments group of companies to further develop III-nitrides HVPE and carry on with the innovative work that my father, Vladimir, and his team have been conducting over the past 10 years.'

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Issued for and on behalf of Oxford Instruments Plasma Technology Limited

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**Notes to editors**

**About Oxford Instruments plc**

Oxford Instruments designs, supplies and supports high-technology tools, processes and solutions with a focus on physical science, bioscience, environmental and industrial research and applications. It provides solutions needed to advance fundamental nanoscience research and its transfer into commercial nanotechnology applications. Innovation has been the driving force behind Oxford Instruments' growth and success for over 40 years, and its strategy is to effect the successful commercialisation of these ideas by bringing them to market in a timely and customer-focused fashion.

The first technology business to be spun out from Oxford University over forty years ago, Oxford Instruments is now a global company with over 1,500 staff worldwide and a listing on the London Stock Exchange (OXIG). Its objective is to be the leading provider of new generation tools and systems for the Physical Science and Bioscience sectors.

This involves the combination of core technologies in areas such as low temperature and high magnetic field environments; Nuclear Magnetic Resonance; X-ray electron and optical based metrology; advanced growth, deposition and etching. Our products, expertise, and ideas address global issues such as energy, environment, terrorism and health and are part of the next generation of telecommunications, energy products, environmental measures, security devices, drug discovery and medical advances.

**About Oxford Instruments Plasma Technology**

Oxford Instruments Plasma Technology offers flexible, configurable process tools and leading-edge processes for the precise, controllable and repeatable engineering of micro- and nano-structures. Our systems provide process solutions for nanometre layer epitaxial growth of compound semiconductor material, etching of nanometre sized features and the controlled growth of nanostructures. These solutions are based on core technologies in plasma-enhanced deposition and etch, ion-beam deposition and etch, atomic layer deposition and molecular beam epitaxy. Products range from compact stand-alone systems for R&D, through batch tools and up to clustered cassette-to-cassette platforms for high-throughput production processing.

**About Technologies & Devices International Inc**

Technologies and Devices International Inc develops and manufactures a range of novel compound semiconductors including GaN, AlN, AlGaIn, InN and In GaN. TDI has developed and commercialized a variety of compound semiconductor materials, primarily for applications in solid-state lighting, short wavelength optoelectronics and RF power electronics.