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Japan's Shinshu University Selects Zecotek's LFS Scintillation Crystals for PET Medical Imaging Program

Singapore, February 10, 2010 - Zecotek Photonics Inc. (TSX-V: ZMS; Frankfurt: W1I), a developer of leading-edge photonics technologies for medical, industrial and scientific markets, today announced that its patented LFS scintillation crystals have been selected by Japan's prestigious Shinsu University for trials in their next-generation Positron Emission Tomography (PET) medical imaging program. Shinsu University's PET program is aimed directly at advancing improvements in spatial resolution for more effective 3D imaging of cancer in particular using the LFS crystal's superior performance which enables sub nano-second timing resolution.

"The selection of Zecotek's LFS scintillation crystals enables the use of smaller crystals which can be read independently providing a significant cost advantage," said Dr. Tohru Takeshita, Head of Shinshu University Department of Physics. "The signal of the LFS crystals is also rapid enough to allow sub-nano second timing resolution. These are both critical attributes for enabling a high resolution, next-generation PET system."

"We are delighted that Zecotek's LFS scintillation crystals have been selected by Professor Takeshita and his group for their work on a next-generation PET system," said Dr. Faouzi Zerrouk, Chairman and President of Zecotek. "The selection of our scintillation material highlights the competitive advantage of our components in bringing unprecedented granularity and segmentation to a wide range of imaging technologies, including both PET and HEP calorimeters, where Zecotek's LFS crystals and solid-state MAPD photo-detectors are being utilized in the research of next-generation systems."

About LFS Scintillation Crystals

Zecotek has developed and patented a new class of patented advanced materials for use in next-generation PET, PET-CT and PET-MRI medical imaging scanners. When combined with Zecotek's MAPD solid-state photo detectors, the LFS scintillation crystals allows for medical imaging devices to have higher resolution, enhanced diagnosis, improved patient outcomes, faster patient throughput and lower unit costs. Other medical applications for LFS are in micro-PET detectors, widely used in drug research, and in gamma cameras used for breast and prostate examinations. Non-medical applications include gamma ray detector systems for homeland security, geological surveying, materials analysis, high energy physics and nuclear stockpile monitoring.

Zecotek's LFS scintillation crystals and MAPD solid-state photo detectors together would engage a growing annual market currently in excess of US $500 million.

About Zecotek

Zecotek Photonics Inc. (TSX-V: ZMS; Frankfurt: W1I) is a photonics technology company developing high-performance crystals, photo detectors, lasers, optical imaging and 3D display technologies for commercial applications in the medical diagnostics and high-tech industry. Founded in 2003, the company has three distinct operating divisions: imaging, lasers and 3D display and labs located in Canada, Singapore and Russia. Zecotek commercializes its novel, patented and patent-pending bio-photonic technologies directly and through strategic alliances and joint ventures with multinational OEMs, distributors and other industry leaders.

This press release may contain forward-looking statements that are based on management's expectations, estimates, projections and assumptions. These statements are not guarantees of future performance and involve certain risks and uncertainties, which are difficult to predict. Therefore, actual future results and trends may differ materially from what may have been stated.

For Additional Information Please Contact:

Zecotek Photonics Inc.
Michael Minder
T: (604) 827-5212
ir@zecotek.com

CHF Investor Relations
Christopher Haldane, Account Manager
T: (416) 868-1079 x237
chris@chfir.com

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