

FOR IMMEDIATE RELEASE

TSX Venture Exchange symbol: FOX

FOX-TEK Expands Product Line Significantly with Micron Optics Agreement
System Integrator Status Adds New Sensing Capabilities

TORONTO, Ontario (August 22, 2007) – Fiber Optic Systems Technology, Inc. (“FOX-TEK”), (TSX-V: FOX), a developer and manufacturer of patented non-intrusive sensing systems, today announced the signing of a System Integrator agreement with Atlanta-based Micron Optics, the world leader in Fiber Bragg Grating sensor technologies. FOX-TEK is now the only approved System Integrator for Micron Optics products in Canada.

Micron Optics is broadly recognized for the development of high quality sensing and telecom products based upon their own Fiber Bragg Grating technologies. “Micron Optics is definitely the leader in this particular area of fiber sensing and we are very pleased to be able to offer monitoring solutions for our customers based upon their products,” said Dr. Don Morison, FOX-TEK’s Vice President of Operations and Engineering. Dr Morison continued, “We will now be able to monitor areas of concern with up to several hundred point sensors and we can address a wider range of corrosion and deformation issues in the oil and gas sector. As FOX-TEK grows, we can apply this technology in the civil infrastructure sector to the health monitoring of bridges, dams, tunnels and for third party intrusion detection.

“Previously, we’ve successfully used Micron Optics systems in some of our R&D projects,” said Dr. Essam Zaghoul, FOX-TEK president and CEO. “Now that we’re a System Integrator, we can broaden our suite of solutions to help our clients in the petrochemical, oil and gas, and other areas realize cost savings in their integrity management programs.”

About FOX-TEK:

Fiber Optic Systems Technology, Inc. "FOX-TEK" develops non-intrusive asset health monitoring sensor systems for the oil and gas market to help operators track the thinning of pipelines and refinery vessels due to corrosion/erosion, strain due to bending/buckling, and process pressure and temperature. FOX-TEK's FT fiber optic sensor and Pinpoint systems allow cost-effective, 24/7 remote monitoring capabilities to improve scheduled maintenance operations, avoid unnecessary shutdowns, and prevent accidents and leaks.

FOX-TEK has offices in Toronto, ON, Calgary, AB, Houston, TX, and Al-Khobar, Saudi Arabia. FOX-TEK is traded on the TSX Venture Exchange under the symbol “FOX”. For more information, visit www.fox-tek.com.

About Micron Optics:

Micron Optics, Inc. supplies a comprehensive portfolio of optical instruments and components to Sensing, Biotech and Telecom markets. These products are based on Micron Optics' technologies providing best-in-class optical performance, reliability and value for over 15 years. The Sensing product line addresses energy, aerospace, civil, transportation and defense industries

which are monitoring hundreds of applications throughout six continents. Micron Optics is a private company based in Atlanta, Georgia, USA.

This press release contains forward-looking statements based on assumptions, uncertainties and management's best estimates of future events. Actual results may differ materially from those currently anticipated. Investors are cautioned that such forward-looking statements involve risks and uncertainties. Important factors that could cause actual results to differ materially from those expressed or implied by such forward-looking statements are detailed from time to time in FOX-TEK's periodic reports filed with the Ontario Securities Commission and other regulatory authorities. FOX-TEK has no intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

The TSX Venture Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of this press release.

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