

FOR IMMEDIATE RELEASE

TSX Venture Exchange symbol: FOX

Major Pipeline Company Orders Third FT System to Monitor Possible Strain
FT System Readily Measures Effects from Any Ground Movement on Replaced Section

TORONTO, Ontario (December 16, 2008) – Fiber Optic Systems Technology, Inc. (“FOX-TEK”), (TSX-V: FOX), a developer and manufacturer of patented non-intrusive sensing systems, today announced the sale and installation of a third pipeline strain remote monitoring system to an existing client.

The client plans to use the FT3410 periodic monitoring system, during site visits to a recently replaced section of a large diameter pipeline, to take measurements of pipe strain that indicate possible ground movement.

Mr. Sean Carr, FOX-TEK Interim President and CFO, said “The FT fiber optic sensors and cabling were installed on a pipeline in a remote area. This section of the pipeline has some history of damage from earlier soil movement. Data processed by FOX-TEK after each client visit allows the company to verify promptly that the soil in the excavated area is stable. Our client is pleased with the two FT systems in service in other locations, and will rely on this FT system to remain proactive and maintain their strong reputation of safe operations.”

About FOX-TEK:

Fiber Optic Systems Technology, Inc. "FOX-TEK" develops and sells 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, monitor strain due to bending/buckling or soil movement, check for leaks, and prevent unauthorized access.

FOX-TEK has offices in Toronto, ON; Calgary, AB; 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.

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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