

FOX-TEK Wins Patent for Aerospace Industry Impact Detection System

NASA-Supported Project Uses Fiber Optic Sensors to Accurately Measure Damage

TORONTO, Ontario (April 23, 2007) – Fiber Optic Systems Technology, Inc. (“FOX-TEK”), (TSX-V: FOX), a developer of patented non-intrusive sensing systems, today announced it has been awarded a US patent for a fiber optic impact damage detection system designed to monitor impact damage for airplanes, satellites and manned spacecraft.

The patent covers a sensor system that uses fiber optics to determine the location and severity of damage to vehicles caused by high-energy micrometeoroids or orbital debris (MOD).

“This patent adds strategic value to our intellectual property portfolio and extends our reach into the commercial and strategic aviation and aerospace markets,” said Dr. Don Morison, FOX-TEK’s Vice President of Engineering and Operations.

Spacecraft traditionally use bumper shields and energy absorbing materials to minimize the damage to vital areas caused by MOD impacts, but are typically still unable to sense MOD damage when it occurs.

Through a research project supported by the NASA Johnson Space Center in Houston, Texas, FOX-TEK’s team of engineers developed a sensor system based on the company’s patented fiber optic monitoring system used for terrestrial infrastructure projects like pipelines and bridges. The new sensor system used optical fibers that are mounted on or within a structure and then linked to a detection system that accurately locates and measures damaged areas.

According to the US Patent Office, FOX-TEK’s impact detection system is the only system in its class that precisely determines the location and direction of impact, the size of the object and the extent of the damage.

“We’re providing the aerospace industry with a mission-critical solution that far surpasses the limitations of current systems,” says Dr. Essam Zaghoul, FOX-TEK’s president and CEO. “Our fiber optic sensor systems have gained widespread acceptance throughout the oil and gas pipeline industry, and we expect to continue to enter new markets.”

About Fiber Optic Systems Technology

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.

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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