

Fiber Optic Systems Technology, Inc.
(TSXV:FOX)

FOX-TEK ANNOUNCES SMART MATERIAL TESTS AT NASA SUCCESSFUL

TORONTO, Ontario (April 20, 2005) – Fiber Optic Systems Technology, Inc. (the “Company” or “FOX-TEK”), a developer of patented fiber optic sensing products, today announced that Phase 2 of its development program of a “Foreign Object Impact Detection System for Spacecraft” was successful. This phase involved impact tests on ‘smart materials’ that were completed in early April at a NASA facility in Houston, Texas.

The ‘smart material’ designed by FOX-TEK consists of an optical grid of fibers woven into a base fabric of Kevlar® fibers. This hybrid material is designed to provide a new technology (patent pending) to sense penetration of a spacecraft, such as the hull of a module on the International Space Station, by micrometeoroids and orbital debris. Impact tests were conducted with a layer of FOX-TEK’s smart material and the fiber optic sensor grids were able to determine the location and size of the penetration holes in the plate. In a real-life situation, this information would allow astronauts to effect a timely repair. FOX-TEK is now preparing a follow-on proposal to NASA to manufacture a MOD demonstration detection system that will provide impact data in real-time based on its optical sensing grids and FOX-TEK software.

This technology will have applications to the Oil and Gas Industry, which is FOX-TEK’S primary market.

Dr. Rod Tennyson, Scientific Advisor to FOX-TEK, supervised this test program in collaboration with Dr. Eric Christiansen of the NASA Johnson Space Center, with co-funding from CRESTech, an Ontario Centre of Excellence.

About Fiber Optic Systems Technology

Established in 2000, FOX-TEK has developed patented fiber optic sensing products that deliver a cost-effective solution for companies to continually monitor their critical infrastructure and detect and prevent high-consequence or catastrophic occurrences. The company's primary market is the global oil and gas industry, for the monitoring of pipelines and refineries. In addition to its monitoring systems, FOX-TEK delivers a full range of professional services to its customers, including engineering design services, training, supervision of on-site installation and turnkey fiber optic sensing systems. FOX-TEK is headquartered in Toronto, Ontario and is traded on the TSX Venture Exchange under the symbol "FOX".

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 does not accept responsibility for the adequacy or accuracy of this release.

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