

FOR IMMEDIATE RELEASE**TIAX Awarded Contracts to Improve Efficiency and Safety for U.S. Armed Forces**

Funding will advance development of several key technologies including upgraded power generation for Force Provider and improved body protection for paratroopers

March 20, 2006 (Cambridge, MA) – TIAX, a leading collaborative product and technology development firm, today announced that it has been awarded five contracts to study and further develop new systems and technologies that will significantly enhance energy efficiency and improve safety for members of the U.S. Armed Forces. The various technologies developed under these projects will eventually be utilized in the field by the U.S. military in several areas including Force Provider, the U.S. Army’s deployable base camp.

“TIAX has long history of helping the U.S. Armed Forces create innovative solutions, from designing a better tourniquet and improving wound dressing technology to developing alternative sources of energy,” said TIAX CEO Kenan Sahin. “These new projects will provide a broad array of benefits including enhanced safety for paratroopers and improved accuracy of navigation sensors and guidance systems. We are honored to have been selected for these assignments that will have a direct and positive impact on the men and women who serve in our armed forces.”

The projects include:

- **Enhanced Automatic Body Protection for Paratrooper Landings** – Given the unpredictable and often hazardous nature of ground conditions, paratroopers commonly suffer injuries to the lower extremities during landings. The ankle brace currently used by paratroopers is bulky, heavy and minimally effective. As part of this contract, TIAX and its UK-based partner, RFD Beaufort, will develop an air-activated ankle protection device to better protect paratroopers. The device will automatically activate to absorb any ground impact and provide a safer landing for the paratrooper.
- **Improve System Efficiency for the Army’s Force Provider** – Under this contract awarded by the Natick Soldier Systems Center, TIAX will recommend upgrades to the power generation and electrical distribution systems of Force Provider, the U.S. Army’s deployable base camp. This “city in a box” supports all of the necessities of life for soldiers in the field, including climate-controlled sleeping quarters, food service and dining facilities, bathrooms and showers, laundry services, medical units, and recreational facilities.



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- Solid Waste Preprocessor to Convert Field Waste into Energy – Typically, Army base camps generate large amounts of trash – averaging three to four pounds per soldier per day – mostly related to food waste from mess hall operations. As part of this assignment, which is sponsored by the U.S. Army Research Office, TIAX will develop a solid waste preprocessor system to reduce the burden of trash waste at Army base camps. This solid waste preprocessor will also supply the dried, mixed and compacted trash to a waste-to-energy conversion system that generates electricity.
- Automatic Real-Time Magnetometer Error Compensation and Calibration – Under this award, TIAX will begin development of an automatic compensation system for magnetometers. This project will explore ways of automatically compensating for the effects of geomagnetic field fluctuations on determining heading. The resulting system could facilitate the deployment of a series of sensors without the need for periodic recalibration in a laboratory.
- Advanced Tactical Stirling Power Sources for Co-Generation Applications – As part of this contract, TIAX will adapt its existing Micropower Free-Piston Stirling Generator technology to meet the electric power and heating/cooling needs of communication shelters for the Army.

About TIAX LLC

TIAX LLC (pronounced Ty-ax) is a leading collaborative product and technology development firm that accelerates innovation to help its clients create an impact in the market – and in people’s lives. We integrate business, industry, and hands-on technology expertise to transform ideas into products and problems into solutions. Formed out of Arthur D. Little’s Technology & Innovation business, TIAX (www.tiaxllc.com) builds on more than a century of breakthrough innovation and client success using collaborative R&D. TIAX was selected as a Technology Pioneer 2003 by the World Economic Forum and is ISO 9001 certified with more than 50 research and development laboratories.

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