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Advanced Tactics Inc. is Awarded US Congressional Funding for a “Multi-Mission Medical and CASEVAC UAV/UGV”

EL SEGUNDO, California, 25 May 2010 – Advanced Tactics Inc., a pioneering company in the development of roadable vertical takeoff and landing technologies, today announced that it was awarded a contract to develop a “Multi-Mission Medical and Casualty Evacuation (CASEVAC) Unmanned Air Vehicle (UAV) / Unmanned Ground Vehicle (UGV)”. The program aims to develop a prototype demonstrator based on a novel design with many unique operational capabilities. These capabilities are being developed in support of the military.

The contract was awarded as a Congressional Special Interest program and is managed by the US Army Telemedicine and Advanced Technology Research Center (TATRC) located at Fort Detrick, Maryland. TATRC has a strong history of medical robotics and aerospace projects.



Figure 1 - The Multi-Mission Medical and CASEVAC UAV/UGV

Many combat medic casualties occur while treating soldiers under fire and many soldier casualties occur when providing aid. Additionally, many operations may be performed in urban or hazardous and contaminated areas where conventional CASEVAC operations may be difficult. This program will develop a vehicle that will help to reduce human exposure to dangerous conditions and situations.

The prototype vehicle, referred to as the “Black Knight”, aims to provide a robotic air and ground platform to solve these issues. The Black Knight will provide a unique combination of driving and flying capabilities to allow the warfighter maximum flexibility. The vehicle can land at a safe and secure landing zone before traveling by ground to a wounded soldier. A large interior means plenty of space for safe and comfortable casualty transport. The envisioned prototype will be approximately 4000 lb and 30 ft long by 16 ft wide and will be capable of stowing to a width of 8.5 ft. The large payload capacity of 500-1000 lb volume allows a casualty to be transport with gear and medical support equipment.

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Work on the contract will begin immediately and will be performed at Advanced Tactics' headquarters in El Segundo, California. The program is expected to be completed within two years.

About Advanced Tactics:

Advanced Tactics Inc. (AT) is a small business based in El Segundo, CA specializing in research and development of next-generation military vehicle technologies. A unique set of patented vehicle designs drive the company's progress towards providing a game-changing capability to the military force. For more information, please visit www.advancedtacticsinc.com.

About TATRC:

The Telemedicine and Advanced Technology Research Center (TATRC) provides tele-health solutions and executive medical research management to enhance and support military healthcare and promote innovative medical technologies. TATRC serves as the primary execution manager for Defense Health Programs research while exploring science and engineering technologies ahead of programmed research, leveraging other programs to maximize benefits to military health care. TATRC is the science and technology scout for military medicine and the center of gravity for Army telemedicine initiatives. TATRC initiates, sponsors, promotes, and oversees programs and partnerships in medical science and engineering that support military medical programs. For more information, please visit: www.tatrc.org
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