

# Press Release



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For Immediate Release

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## TARDEC Power, Robots to Star in “Army Strong Zone” at 2011 All-American Bowl Jan. 6-9

**U.S. ARMY DETROIT ARSENAL**, Warren, Mich. – The U.S. Army Tank Automotive Research, Development and Engineering Center is returning to the Army’s All American Bowl in San Antonio next week, and this year the Center is bringing a selection of military robots for fans to test drive along with the Clandestine Extended Range Vehicle (CERV), one of the Army’s “greenest” vehicles in which fans can ride.

TARDEC has taken a leadership role in developing new, sustainable vehicle technologies, including hybrid-electric powertrains, fuel cells, lightweight materials, clean fuels, streamlined designs, microgrids and robotics. Collaboration is key to creating these advanced technology solutions and one recent success story is the CERV, a hybrid electric (HE) diesel vehicle being tested by TARDEC. Jointly developed by TARDEC’s National Automotive Center and its industry partner Quantum Technology, the ultra-lightweight CERV is designed for fast-paced mobility operations in the field, including reconnaissance, surveillance and target designation.



*CERV – one of the Army’s  
“Greenest” vehicles*

CERV incorporates a proprietary, advanced, all-wheel-drive diesel HE powertrain. The powertrain, in combination with a unique, purpose-built vehicle chassis, allows CERV to reach speeds of 80 miles per hour and ascend grades of up to 60 percent. The vehicle has a torque rating of 5,000 foot-pounds and reduces fuel consumption by 25 percent, compared with conventional vehicles of comparable size.

In addition to CERV, TARDEC will have a fleet of military robots on hand in the Army Strong Zone – a 129,000 square foot interactive display area featuring some of the Army’s elite technology and assets – for spectators to take through an obstacle course. TARDEC is the Department of Defense’s focal point for ground robotics.

### **ABOUT TARDEC**

Headquartered at the Detroit Arsenal in Warren, Mich, TARDEC is the Nation’s laboratory for advanced military automotive technology and serves as the Ground Systems Integrator for all Department of Defense (DOD) manned and unmanned ground vehicle systems. With roots dating

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**TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.**

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back to the World War II era, TARDEC is a full life-cycle, systems engineering support provider-of-first-choice for all DOD ground combat and combat support weapons, equipment and vehicle systems. TARDEC develops and integrates the right technology solutions to improve Current Force effectiveness and provides superior capabilities for Future Force integration. TARDEC's technical, scientific and engineering staff lead cutting-edge research and development in Ground Systems Survivability; Power and Mobility; Ground Vehicle Robotics; Force Projection; and Vehicle Electronics and Architecture. TARDEC is a major research, development and engineering center for Research, Development and Engineering Command and an enterprise partner in the TACOM Life Cycle Management Command.

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You can also follow us on Twitter at [http://twitter.com/TARDEC\\_PAO](http://twitter.com/TARDEC_PAO).