

Media Advisory



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For Immediate Release

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U.S. Army to Lead World's Largest Convoy of Hybrid Trucks, Showcase "Green" Vehicle Technology at Upcoming Event

U.S. ARMY DETROIT ARSENAL, WARREN, MI – Ten years ago, the U.S. Army and collaborative partner CALSTART launched an initiative to promote hybrid and high-efficiency technologies for the commercial trucking industry. Next week, the U.S. Army Tank Automotive Research, Development and Engineering Center (TARDEC) and CALSTART will convene the 10th annual Hybrid Truck Users Forum (HTUF) National Conference with discussions, unveilings, demonstrations and the world's largest-ever convoy of hybrid trucks.

Operated by CALSTART under contract to the U.S. Army, HTUF is the Nation's leading program driving production and use of medium and heavy-duty hybrid and high-efficiency trucks and buses. The HTUF conference takes place Sept. 28-30, 2010, in Dearborn, MI.

"While I'm proud of the work we have accomplished, there is much more to do," explains TARDEC National Automotive Center (NAC) director Paul Skalny. "This year's convoy promises to be the biggest yet, and I expect the discussions to be a convergence for conversations happening at all levels of the government, at corporations across the country, at leading universities and in truck cabs on our roads today."



TARDEC – based at the U.S. Army Detroit Arsenal – plays a prominent role in the conference. TARDEC engineers will speak on panels and be available for discussions at a display with some of the Army's "greenest" technologies. On display will be TARDEC's **Clandestine Extended Range Vehicle (CERV)**. Jointly designed by Quantum Fuel Systems Technologies and TARDEC's NAC, CERV was designed for quick-paced mobility operations, including reconnaissance, surveillance and target designation. CERV pairs Quantum's new advanced all-wheel-drive diesel hybrid-electric powertrain with a light-weight chassis to produce a torque rating that exceeds 5,000 foot-pounds. The unit can maintain speeds of 80 miles per hour and climb 60-percent grades – all while reducing fuel consumption by up to 25 percent compared with conventional vehicles of comparable size.

In addition, TARDEC will display a **Maneuver Sustainment Vehicle (MSV)**. As a result of

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several contracts between TARDEC's NAC and BAE Systems M&PS Sterling Heights, the armored "future truck" contains many new technologies including:

- A hybrid power train capable of 30 kW of export power
- Active suspension
- 360-degree camera system
- The latest in communications equipment.
- A semi-robotic crane designed to operate with "boom tip control." The crane unfolds and folds using only one control, and the operator can back up to and load 13 tons without leaving the safety of the armored cab.

In addition to serving as the world's premier technical and marketplace event in the advanced truck world, HTUF 2010 features the world's largest medium and heavy-duty hybrid and high-efficiency vehicle ride-and-drive for fleet managers, original equipment manufacturers, suppliers, attendees and the media. Leading-edge hybrid-electric, hybrid-hydraulic, plug-in hybrid and electric trucks will be available, including some brand new models for the mass market.

ABOUT TARDEC

Headquartered at the Detroit Arsenal in Warren, MI, 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 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; Intelligent Ground Systems; 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.

ABOUT CALSTART

HTUF is one of several national programs operated by CALSTART, North America's leading clean transportation technologies and solutions consortium. CALSTART is a member organization of more than 140 firms, fleets and agencies worldwide dedicated to supporting a growing high-tech, clean transportation industry that cleans the air, creates jobs, cuts imported oil and reduces global warming emissions. CALSTART provides services and consulting to spur advanced transportation technologies, fuels, systems and the companies that make them.

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For more information about HTUF, visit: www.calstart.org/projects/hybrid-truck-users-forum.aspx.
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Note: Three images are available for use with this release.

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