

Rod Millen Special Vehicles' Helo Transportable Tactical Vehicle (HTTV) shatters previous record at the U. S. Army's Yuma Proving Ground's Rock Ledge course

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HUNTINGTON BEACH, CA ([PRWEB](#)) April 23, 2004 - The Helo Transportable Tactical Vehicle (HTTV), designed and built by Rod Millen Special Vehicles (RMSV) in Huntington Beach, California, recently shattered the unofficial lap record over the U. S. Army's treacherous Yuma Proving Ground (YPG) Rock Ledge course. The previous record was set by another vehicle also designed for internal aircraft transport, the General Dynamics' Reconnaissance, Surveillance and Targeting Vehicle (RST-V). With its morphing track-width suspension and sophisticated hybrid electric propulsion system, RST-V's best time was 13 minutes and 50 seconds. This performance bettered the HMMWV's time of over 30 minutes. The HTTV, using a conventional HMMWV diesel drivetrain and coilover suspension, cruised through the Rock Ledge course in 11 minutes and 7 seconds. This was 20% faster than the RST-V and 65% faster than the HMMWV showcasing not just HTTV's raw mobility performance, but also its driveability, safety and durability.

The real satisfaction in setting a new record on the Rock Ledge course lies in the fact that we did it in a very conservative manner, without any pre-running or other preparations. We were there to support other testing; the fact that we were able to set a new unofficial record in the process is a testament to the superb off-road mobility of HTTV, said RMSV president Rod Millen.

The HTTV is a family of fast light strike vehicles capable of speeds in excess of 95 mph with extreme off-road mobility and the capability to be airlifted into theater by the V-22 Osprey aircraft. With an adjustable ride height, allowing twelve to sixteen inches of ground clearance, and fully locking differentials, it is unmatched in low speed maneuver and obstacle clearance. The vehicle's tube frame skeleton is built from chromium molybdenum alloy steel and for additional crew safety and vehicle durability a full roll cage, encloses the cockpit.

The HTTV incorporates double A-arm independent suspension with up to seventeen inches of wheel travel to provide unmatched off-road mobility, high-speed maneuverability, and obstacle avoidance. It has high performance gas reservoir shock absorbers at all wheel positions. The rear suspension features a unique rocker arrangement that enables the coil-over dampers to be packaged about twelve inches forward permitting more payload volume in the adjacent cargo bed.

The vehicle is powered by the General Motors 6.5 liter turbo diesel and 4L80-E automatic transmission found in the HMMWV. Four-wheel-drive and locking differentials deliver sure-footed power under the most difficult traction conditions. The lightweight body is comprised of modular aluminum and fiberglass panels that can be removed for maintenance and replacement. Supplemental armor and signature management materials can be added to supplement vehicle/crew survivability in hostile environments. The HTTV can be configured as a three crew member strike vehicle, a four passenger personnel transport or a two seat cargo carrier.



Rod Millen Special Vehicles is a privately owned small business incorporated in 1980. The Rod Millen family of companies has evolved from a high performance racing company into a diverse engineering, prototyping, and product development business with expertise in electromechanical systems for the entertainment and ground vehicle industries. Headquartered in Huntington Beach, California, the Rod Millen family of companies is principally engaged in the research, design, development, manufacture and integration of advanced technology solutions for manned and unmanned military vehicles, high performance concept cars, race vehicles, and rides for major theme parks.



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