

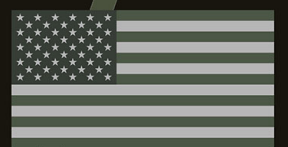
STEED™

SILENT TACTICAL ENERGY ENHANCED DISMOUNT



Silent Tactical Energy Enhanced Dismount (STEED) is a lightweight, all-terrain wheeled platform which carries 500 lbs. and has a range of 15-30 miles on one battery pack. The unit is manually operated by a thumb controlled throttle at speeds up to 6.5 mph, in both forward and reverse. It has a zero degree turn radius, is tactically silent, has zero emissions and is completely submersible.

Developed by Hendrick Motorsports, STEED is a simple and easy to use platform that provides a significant enhancement to close combat lethality, human performance, rapid casualty evacuation, sustainment efforts, and dense urban environments (subterranean).





STEED™

SILENT TACTICAL ENERGY ENHANCED DISMOUNT

/// STEED Enables

- Soldier Lethality and Survivability
- Soldier Load and Human Performance
- Casualty Evacuation
- Maneuver and Mobility
- Dense Urban and CBRNe Environments
- Squad Expeditionary Power and Sustainment

/// STEED Performance

Validated through OCONUS deployments, DoD experimentations; including a combat validation (CV) conducted by Army Futures Command and SOCOM.

The CV resulted in the benefits documented below by AWG, ARL and ARL's Human Research Engineering Directorate (HRED).

- 35-64% reduction in mission times. essentially 3x faster dismounted movement
- 60% reduction in calorie burn, less effort, lower exertion
- 400% payload increase with reduction in metabolic rate
- 80% reduction in troop to task
- 17% reduction in accelerations on CASEVAC patient, 1:1 soldier-to-casualty ratio for movement
- Provides small dismounted unit expeditionary power exceeding 72-hour mission

/// STEED Technology

- Payload: Carries up to 500 lbs. 15-30 miles on one battery pack
- System Curb Weight: 190 lbs.
- Power: Quick change, lightweight lithium-ion batteries, commercially available
- Speed: Up to 6.5 mph in forward and reverse
- Zero degree turning radius, zero emissions, fully submersible
- Designed for simple operator use and easy mobility over and around obstacles
- All-terrain conditions: wetlands, submerged in water, hills, forested areas, climbing tight stairwells, subterranean environments, rocks and rubble

/// STEED Configurations

- Attachment available for payload bed raised height (32 – 42 inches)
- Designed for ease of transport: UH-60, bed of MRZR or Hilux, aisle of fully loaded LMTV, air deliverable
- Towing: Capable of being towed
- Configurations:
 - Collapsed form, fits in rotomolded transport case: 30" x 39" x 25"
 - Single handle, short form: 62" x 39" x 33"
 - Dual handle, fully extended form: 93" x 39" x 33"
 - Adjustable height handle for operator comfort 33-37"
 - Modular custom attachments and accessories available

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U.S. Patent 10,654,503