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## Warrior EAST 19 – Silent Tactical Energy Enhanced Dismount by Hendrick Motorsports

The Silent Tactical Energy Enhanced Dismount or STEED, by Hendrick Motorsports is an all terrain, electric power card. It has zero emissions and can carry up to 500 lbs over complex terrain. STEED will even climb stairs and can be used in water.

This is not a robot. It is simple to use. STEED is a two wheeled cart and not gyro stabilized, requiring at least one person to balance and operate the STEED. It features forward and reverse along with a thumb pedal to control speeds from 0-6.5 mph. The two wheels make it easy to maneuver into tight spaces.



STEED began as a USSOCOM mobility project but was temporarily shelved due to other, pressing requirements. It was picked up by Asymmetric Warfare Group for use by squads to transport Subterranean operations equipment. STEED has successfully completed a Combat Validation with SOFWERX.

STEED is also a participating technology in the 2019 Advanced Expeditionary Warrior Experiments.

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|  <h2 style="display: inline;">Silent Tactical Energy Enhanced Dismount (</h2>   |  |
|   | <h3 style="text-align: center;">CAPABILITY DESCRIPTION</h3> <ul style="list-style-type: none"> <li>• Innovative solution to lighten the load for dis troops, enhancing close combat lethality</li> <li>• Powered cart: all-terrain, water fording, zero radius, tactically silent, zero emissions</li> <li>• Moves twice its own weight across 20 miles</li> <li>• Small tactical unit dominance: 1) increased I capacity 2) reduced fatigue and stress 3) lon endurance and range 4) heavier weapons → 5) expanded PPE → survivability 6) improve sustainment 8) subterranean mobility 9) rapi evacuation 10) carry robotics 11) silent last r</li> </ul> |
| <h3 style="text-align: center;">CAPABILITY RELEVANCE</h3> <ul style="list-style-type: none"> <li>• Troop overburden is a well documented issue with direct consequences on small unit dominance</li> <li>• Mission packages are constrained by limitations of dismounted weight carriage → capability gaps</li> <li>• Musculoskeletal injuries: 1/3 of non-combat medevacs from Afghanistan and Iraq 2004-07, 50% of veteran disabilities 2001-10, 10x increase 2003-09</li> <li>• “Wheeled load carts” cited and recommended:             <ol style="list-style-type: none"> <li>1. 2017 Army Techniques Publication – Foot Marches, ATP 3-21.18 (FM 21-18)</li> <li>2. 2016 AMEDD, Injury Prevention, 12-008-0416</li> </ol> </li> </ul> | <h3 style="text-align: center;">CONTACT INFORMATION</h3> <p style="text-align: center;"> <b>Hendrick Motorsports</b><br/>                 4400 Papa Joe Hendrick Blvd.<br/>                 Charlotte, NC 28262<br/> <a href="http://www.hendrickmotorsports.com">www.hendrickmotorsports.com</a> </p> <p style="text-align: center;"> <b>POC: Rhegan Flanagan</b><br/>                 Tel: (704) 455-0633<br/>                 Email: <a href="mailto:rflanagan@hmsracing.com">rflanagan@hmsracing.com</a> </p>  |

## Army Expeditionary Warrior Experiments

Although it is envisioned for use in subterranean operations, it handles the transit across rough terrain quite well and would greatly enhance the capability of a squad to move bulky equipment such as weapons along with bulk fuel, food, water, and ammunition as well as casualties.

For more information, contact [RFlanagan@hmsracing.com](mailto:RFlanagan@hmsracing.com) or Christiana Caudill, SWX Communications/Public Relations [christina.caudill@sofwerx.org](mailto:christina.caudill@sofwerx.org)


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### 3 Responses to “Warrior EAST 19 – Silent Tactical Energy Enhanced Dismount by Hendrick Motorsports”


1.  [Alex](#) says:  
[July 12, 2019 at 01:48](#)

Wow, this is pretty neat.

2.  [Hubb](#) says:  
[July 12, 2019 at 04:24](#)

Great idea. I recommend making it towable as well as stand alone.

I could also see elk quarters on that thing.

3.  [Thomas Madere](#) says:  
[July 12, 2019 at 14:28](#)

A powered wheel barrow, just call it a PWB

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