



Silent Tactical Energy Enhanced Dismount (STEED)



CAPABILITY DESCRIPTION

- Innovative solution to lighten the load for dismounted troops, enhancing close combat lethality
- Powered cart: all-terrain, water fording, zero turning radius, tactically silent, zero emissions, export power
- Moves more than twice its own weight across 20 miles
- Small tactical unit dominance: 1) increased load capacity 2) reduced fatigue and stress 3) longer endurance and range 4) heavier weapons → lethality 5) expanded PPE → survivability 6) improved self-sustainment 7) subterranean mobility 8) 1:1 rapid casualty evacuation 9) carry robotics 10) silent last mile

CAPABILITY RELEVANCE

- Troop overburden is a well documented issue with direct consequences on small unit dominance
- Mission packages are constrained by limitations of dismounted weight carriage → capability gaps
- Musculoskeletal injuries: 1/3 of non-combat medevacs from Afghanistan and Iraq 2004-07, 50% of veteran disabilities 2001-10, 10x increase 2003-09
- “Wheeled load carts” cited and recommended:
 1. 2017 Army Techniques Publication – Foot Marches, ATP 3-21.18 (FM 21-18)
 2. 2016 AMEDD, Injury Prevention, 12-008-0416

CONTACT INFORMATION

Hendrick Motorsports

4400 Papa Joe Hendrick Blvd.
Charlotte, NC 28262

www.hendrickmotorsports.com

POC: Rhegan Flanagan

Tel: (704) 455-0633

Email: rflanagan@hmsracing.com

U.S. Patent 10,654,503