



HUMAN UNIVERSAL LOAD CARRIAGE (HULC™) | TSPID

The HULC™ is an anthropomorphic, lower extremity exoskeleton worn by a Soldier. The battery powered device takes heavy loads off the Soldier while maintaining the mobility to traverse rough terrain for extended periods of time. The system takes the load off the Soldier and enables him to carry/move heavy loads over rough terrain for extended periods of time.

WHY IS IT NEEDED?

- Combat and sustainment loads are a huge physical burden to Warfighters
- Novel load carriage augmentation does not exist

SOLDIER PAYOFF:

- Increases Soldier load carrying capacity and endurance
- Provides load distribution options within the unit
- Reduction in both physiological cost and mechanical stress on the body
- Saves physical energy for the fight...not getting to it
- Additional power source on the battlefield

PERFORMANCE FEATURES:

- Lightweight low-powered wearable individual device
- Closely matches the operator's motions in both space and time, and enables the wearer to carry/move heavy loads over rough terrain for extended periods of time
- Batteries support up to 20km (Li-ion batteries)
- Adjustable for various anthropometrical dimensions
- Ruggedized for operational environment
- Improved controls over previous models
- Multiple assistive power levels depending on mission
- Optional logistics & lift assist capabilities

POINT OF CONTACT:

Technology, Systems and Program Integration Directorate (TSPID)

Phone: (508)-233-5657, DSN 256-5657;

E-Mail: nati-rdns-tsb@us.army.mil



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REV 02-22-11 | OPSEC U10-728

TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.