



Mobile Armed Dismount Support System

*Mobile firepower for the
first forces into the fight*

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

Now our troops can receive increased firepower to meet their mission needs during the first hours and days of force projection operations – with the Mobile Armed Dismount Support System (MADSS).

Northrop Grumman's MADSS is a concept platform designed to support early entry light units. These are dismounted platoon and company maneuver units. MADSS provides mobile firepower needed before heavier wheeled and armored follow-on forces become available.

MADSS combines existing remote weapon stations and unmanned ground vehicles to give dismounted light forces an increased firepower capability that is maneuverable, transportable, affordable and easy to use and maintain.

Multiple weapon options to support multiple operations

MADSS hosts a variety of crew-served weapons, including the MK-19 40mm automatic grenade launcher, M2 heavy machine gun, M240/249 machine gun and 25 and 30mm weapon systems. We also integrate non-lethal systems, such as the FN303.

MADSS interfaces with Force XXI Battle Command Brigade and Below, Counter-Rocket, Artillery and Mortar command and control and similar mission command systems that provide situational awareness, networked and integrated fires and slew-to-cue capabilities.

System Specifications

MADSS specifications include:

- Hybrid engine (diesel and battery): powers six individual drive motors that provide up to 20 hours of operation from 3.5 gallons of JP-8 fuel
- Transport: with UH-60 BLACK-HAWK sling load (external) and CH-47 Chinook (internal or external)
- Small footprint: perfect for narrow trails or alleys and confined spaces
 - Height – 25” to storage deck, 55” to top of RWS
 - Width – 32” (35.5” when equipped with wide tire kit)
 - Length – 60”
 - System weight: 1400-1700 pounds, dependent on weapon system and ammunition
- Offloading power and battery recharging: up to 2 kW for battery charging or other applications
- Speed: 5 mph
- Fording depth: up to 18”
- Maximum slope angles: 40 percent grade front to back; 30 percent grade side to side
- Crevice/gap traverse: crosses gaps up to 19”
- 6-wheel drive and optional track kit available
- Adaptable base platform tailored to fulfill multiple roles and missions: soldier load, remote weapons station, communications platform, medical platform, improvised explosive device detection platform and more
- Tactically mobile: MADSS units are easily transported around the battlefield in a



HMMWV cargo bed or with a modified VersaHaul™ carrier and easily loaded into trucks or trailers

- On-board NATO slave capability
- 3000-pound winch supports self-recovery
- Manual or mixed initiative control methods support obstacle avoidance and autonomous operation.

Northrop Grumman Corporation is a leading global security company providing innovative systems, products and solutions in aerospace, electronics, information systems, and technical services to government and commercial customers worldwide.

For more information, please contact:

Northrop Grumman
Information Systems
201 Electronics Blvd.
Huntsville, AL 35824-2208

Jon T. Anderson
256-428-5503
jon.t.anderson@ngc.com

Barbara Paynter
256-428-5529
barbara.paynter@ngc.com

www.northropgrumman.com

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