

Titan

Dismounted Troop Support System

Multi-Mission, Modular Unmanned Ground Vehicle

Titan is a large Unmanned Ground Vehicle (UGV) that provides safety and support for small dismounted military operations. Developed by QinetiQ North America and Milrem, Titan features a multi-mission, reconfigurable platform that increases soldier safety and mission effectiveness.

Developed with Proven Technology

Titan consists of QNA's combat-proven robotic systems and controller and Milrem's THeMIS mobility platform and modular mission payload. The vehicle platform features a pair of diesel-electric hybrid tracked drive modules providing all-terrain long-range endurance with run-silent capability.

Load Carrying Capabilities

Titan's load carrying capabilities provides force multiplication and greater mobility. These capabilities insure off-route maneuverability resulting in a safer and successful mission.

Flexible

TITAN's open architecture platform supports a wide range of operations to enable Soldiers to perform complex and hazardous tasks across a wide range of disciplines. Unlike existing UGVs, TITAN is a highly modular platform that allows different payloads to be quickly and easily mounted and integrated for complex missions such as rescue, transport, combat, and reconnaissance.



FEATURES/BENEFITS

- Increases soldier safety
- Reduces soldier carry load
- Increases mission endurance
- Multi-mission modular payloads
- Modular autonomous behaviors reduce cognitive load
- High mobility / all-terrain operations
- Multiple controller and camera options
- Operable in manned or unmanned modes
- Open architecture
- Wide variety of payloads and accessories
- Tactical run-silent mode
- Power-off-load capability

Titan

Dismounted Troop Support System

Safe. Effective. Flexible.



Specifications

Platform Capabilities	<ul style="list-style-type: none"> • Max speed: 15+ mph • Gap crossing: 30 inches • Turning radius: 0 ft • Pull force: 2,000 lbs • Payload capacity: 1,500 - 2,000 lbs 	Command and Control	<ul style="list-style-type: none"> • Multiple controller options: <ul style="list-style-type: none"> – NLOS: TRC and lightweight TRC – LOS: Pendant
Platform Specifications	<ul style="list-style-type: none"> • Curb weight: < 2,000 lbs • Overall size: 79 L x 83 W x 40 H (inches) • Payload area: 72 L x 48 W (inches) 	Multiple crew compliant radio options including meshing IP (>800m LOS range)	
Power Sources	<ul style="list-style-type: none"> • 10kW JP8 generator (3kW moving offload) • AGM lead acid or Li-Ion batteries 	Multiple autonomy packages available from both QNA and third parties	
Range and Runtime	<ul style="list-style-type: none"> • 20+ km and 2+ hours Electric only (Run-Silent) • 100+ km and 72+ hours Diesel/Electric Hybrid 	Wide Variety of payloads and accessories	<ul style="list-style-type: none"> • Earth moving blade/bucket • CASEVAC litter racks • Logistic support basket and ruck mounts • APOBS mounts • CIED roller rake support (mount) • CIED sensing payloads • Open architecture—compatible with third party accessories: <ul style="list-style-type: none"> – Remote weapon station – Interrogation arms – RSTA payloads
Video	<ul style="list-style-type: none"> • Up to eight (8) camera feeds • Day/Night IR and thermal options • Multiple visible and thermal PTZ options 		

Titan was designed with combat-proven technology to support the dismounted warfighter

FOR MORE INFORMATION

QinetiQ North America
350 Second Ave
Waltham, MA 02451 USA
T: 1-781-684-4000
Robots@QinetiQ-NA.com
www.QinetiQ-NA.com