

Titan

Dismounted Troop Support System

Multi-Mission, Modular Unmanned Ground Vehicle

Titan is a large Unmanned Ground Vehicle (UGV) that supports small dismounted military operations by performing complex and hazardous tasks on the battlefield that are currently performed by soldiers. Developed by QinetiQ North America and Milrem, Titan increases soldier safety and mission effectiveness and reducing soldier carry load.

Load Carrying Capabilities

The load carrying capabilities of the Titan provides force multiplication and increased lethality of existing units by increasing mobility and off-route maneuverability while simultaneously increasing mission endurance.

Proven Protection

The Titan system was designed with combat-proven hardware that includes years of development and robotic system expertise.

How it Works

Titan's platform consists of QNA's combat proven robotic command & control systems, the dismount focused QNA Tactical Robotic Controller, Milrem's THEMIS mobility platform, and a modular mission payload. The vehicle platform consists of a pair of diesel-electric hybrid tracked drive modules providing all-terrain long range endurance with run-silent capability and power offload.



FEATURES/BENEFITS:

- Increases soldier safety
- Reduces soldier carry load
- Increases mission endurance
- Multi-mission, reconfigurable platform
- Modular autonomous behaviors reduce cognitive load
- High mobility / all-terrain operations
- Multiple controller and camera options
- Operable unmanned or manned
- Open architecture
- Developed with combat-proven technology
- Wide variety of payloads and accessories
- Tactical run-silent mode (Low Noise Signature)
- Power-off-load capability

Titan

Large Unmanned Ground Vehicle

Safe. Effective. Flexible.

Flexible:

The Titan's was developed to have a modular system architecture to support a wide range of operations. The Milrem THeMIS mobility platform consists of two track modules linked by a mission specific payload frame providing a reconfigurable system that supports both the infantry and combat engineer requirements.

The system has defined expansion interfaces for 3rd party payloads such as CBRNE or Route Clearance packages or the integration of autonomy packages.



Specifications:

Platform Capabilities:

- Max speed: 15+ mph
- Gap crossing: 30 inches
- Turning radius: 0 ft
- Pull force: 2,000 lbs
- Payload capacity: 1,500 - 2,000 lbs

Platform Specification:

- Curb weight : < 2,000 lbs
- Overall size: 79 L x 83 W x 40 H (inches)
- Payload area: 72 L x 48 W (inches)

Power Sources:

- 10kW JP8 generator (3kW moving offload)
- AGM lead acid or Li-Ion batteries

Range and Runtime:

- 20+ km and 2+ hours Electric only (Run-Silent)
- 100+ km and 72+ hours Diesel/Electric Hybrid

Video:

- Up to eight (8) camera feeds
- Day/Night IR & thermal options
- Multiple visible & thermal PTZ options

Command and Control:

- Multiple controller options:
 - NLOS: TRC and lightweight TRC
 - LOS: Pendant

Multiple crew compliant radio options including meshing IP (>800m LOS range)

Multiple autonomy packages available from both QNA and third parties

Wide Variety of payloads and accessories:

- 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:
 - Remote weapon station
 - Interrogation arms
 - RSTA payloads



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

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