

UNMANNED GROUND VEHICLE TECHNOLOGY

# TERRAMAX® | ROUTE CLEARANCE



Oshkosh Defense® M-ATV equipped with TerraMax® unmanned ground vehicle (UGV) technology operates autonomously during route clearance operations.

**Reduce troop exposure to threats during route clearance operations with the next generation convoy. Oshkosh Defense® TerraMax® Unmanned Ground Vehicle Technology.**

Deploy next generation route clearance capabilities with Oshkosh Defense® TerraMax® Unmanned Ground Vehicle (UGV) technology to reduce troop exposure to threats.

TerraMax UGV removes personnel from at-risk vehicles in targeted routes by increasing threat standoff and enhancing crew protection in contested areas of operation. TerraMax UGV can readily integrate systems for the detection, disruption and pre-detonation of explosive hazards. Designed with a widely adopted open system architecture, TerraMax UGV accommodates new technologies as they become available. The user-friendly interface empowers a single operator to confidently supervise multiple unmanned vehicles while providing beyond line of sight situational awareness.

TerraMax UGV-equipped vehicles optimize route clearance operations, so the mission can be successfully completed with fewer troops and less risk.

# TERRAMAX® UGV | ROUTE CLEARANCE

- Significantly outperforms tele-operated systems in all weather conditions, day or night
- Achieves OPTEMPO up to 60 kph
- Tightly integrated kit enables optional autonomous operation:
  - Instantly reverts to manned operation when needed
  - Mobility and payload capacity unaffected by kit installation
  - Software interprets complex surroundings and coordinates maneuvers with manned vehicles
- Efficient and more protected means to perform critical missions in contested areas of operation:
  - Route clearance can be performed at over 500 m standoff
  - Navigation can be sustained for over 10 km in GPS-denied environments
- Systems integration via widely adopted open architecture standards
- User-friendly Operator Control Unit (OCU):
  - Displays only immediately necessary information
  - Facilitates swift input to maintain operational tempo
  - Requires only infrequent monitoring by operator
  - Allows a single operator to control multiple UGVs
  - Easy to learn interface is immediately familiar to today's users
  - Simulation environment enables user training in less than three days



Operator Control Unit & Interface



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