

# RIPSAW<sup>®</sup> M3 ROBOTIC VEHICLE



The RIPS AW<sup>®</sup> M3 Robotic Vehicle Technology Demonstrator is the newest generation platform within the RIPS AW family of vehicles. The technology demonstrator incorporates the familiar large, open flat deck area from the RIPS AW M5 robotic vehicle and 10kW of offload power provides the flexibility to support multiple lethality, RSTA, logistics and combat engineering payloads. With a powerful hybrid electric drivetrain and novel suspension, the RIPS AW M3 provides unmatched mobility and 140 miles of range.

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**TEXTRON** Systems

► PUSHING PAST POSSIBLE

# TEAMRIPSAW

TEXTRON Systems



TELEDYNE  
FLIR

This new platform has given us the opportunity to incorporate lessons learned from the M5 robotic vehicle platform into a smaller, but mission-capable variant. This vehicle also provides safety to the warfighter with built-in hardware and software safety redundancies to provide confident experimentation and operation.

## FEATURES

- > M3 is a family of products based off a Hybrid Electric platform
- > Full platform mobility in electric mode
- > Range Extender to increase platform endurance
- > 80" Wide Chassis balances capability with transportability and 10kW of offload power supports multiple lethality, RSTA, logistics and combat engineering payloads
- > Enables multi-mission payloads – 3,000 lbs
- > Cutting Edge – Powerful hybrid electric drivetrain and novel suspension provides unmatched mobility and 140 miles of range
- > Maturity – Based on the 7 vehicles delivered/in-use by the U.S. Government in operational environments. >1200 miles of operational testing
- > Ready for Integration – Vehicle delivered with flexible control ICD and support to integrate customer-furnished autonomy and control software



*As technology advances, so does our ability to protect our troops. Unmanned ground robotic platforms give our soldiers the boost and assistance they need to continue the fight.*

## KEY SPECIFICATIONS



**GROSS VEHICLE WEIGHT**  
16,000 lb (7,257 kg)



**GROUND CLEARANCE**  
14 in (355.6 mm)



**TOP SPEED**  
30+ mph (48 kph)



**TRACTIVE EFFORT**  
160% Peak, 70% Continuous



**GRADIENT/ SIDE SLOP**  
60% Forward/  
Reverse, 50% Side



**UNOBSTRUCTED DECK AREA**  
63ft<sup>2</sup>



**VERTICAL STEP**  
24 in (610 mm)



**SILENT WATCH**  
>12 hrs



**GAP CROSSING**  
48 in (1,220 mm)



**PAYLOAD CAPACITY**  
3000+ lbs, 10kW  
(weight, power)