



Textron revolutionizes tactical support - an armed UGV with loitering munitions

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Textron Systems, together with its subsidiary **Howe & Howe Inc.**, has unveiled the **RIPSAW M1**, an unmanned ground vehicle designed to revolutionize tactical support. Thanks to its ability to launch loitering munitions, the system promises to drastically extend the operational range of ground forces while simultaneously protecting soldiers' lives.

Modular Architecture and Missions

The technological core of the RIPS AW M1 lies in its **Modular Open Systems Approach (MOSA)**. This open architecture allows for rapid component upgrades and the integration of new technologies without having to redesign the entire vehicle.

The vehicle is designed for a wide range of mission profiles:

- **Hard-kill Counter-UAS:** Kinetic destruction of enemy drones.

- **RSTA:** Reconnaissance, surveillance, and target acquisition.
- **Logistical Support:** Transporting loads in high-risk areas.
- **Electronic Warfare:** Integration of electronic warfare systems.

"The M1 technology demonstrator showcases 'the art of the possible' in supporting Marine missions," said **Sara Willett**, Vice President of land and air systems at Textron Systems.



Textron launches the RIPSAN M1: The new armed UGV with loitering munitions

Technical Specifications: Power and Silence

The RIPSAN M1 not only stands out for its armament but also for its physical performance, making it extremely agile in hostile environments.

Feature	Specifications
Total Weight	1,950 kg (4,300 lbs)
Payload Capacity	907 kg (2,000 lbs)
Length	3.2 meters
Maximum Speed	85 km/h (53 mph)
Fording (Water Depth)	123 cm (48 inches)

One of the most notable features is the **silent electric mode**. The RIPSAN M1 can travel up to **48 kilometers (30 miles)** using electric propulsion only. This function drastically reduces its

acoustic and thermal signature, allowing the vehicle to approach targets or monitor sensitive areas without being detected.



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An Ally for the Marine Corps

The debut of the RIPSAN M1 at **Modern Day Marine 2026** is no coincidence. The vehicle is intended to support the **United States Marine Corps (USMC)**, especially in littoral missions and "uncrewed teaming" operational concepts (collaboration between crewed and uncrewed systems).

The integration of the **DAMOCLES** launcher for loitering munitions transforms the UGV from a simple scout to a true long-range attack platform, capable of neutralizing threats well before they come into contact with human units or more expensive heavy armored vehicles.

With the RIPSAN M1, Textron Systems confirms the trend towards an increasingly automated battlefield, where critical mass and firepower are delegated to agile, expendable, and highly lethal robotic systems.