

UAV MISSION MODULE

EXTENDING SITUATIONAL AWARENESS BEYOND THE LINE OF SIGHT.

The UAV Mission Module is designed to provide situational awareness for further course of action by integrating UAS (Unmanned Aerial System) into the sensor-to-shooter chain in different variants.

High autonomy, a user-friendly interface, UAS control via existing crew terminals ensure a significantly faster sensor-to-shooter chain with minimal additional workload for the UAS operator.

The integrated solution supports both manned and unmanned vehicles based on modern interfaces. Operating UAS under the protection beyond-line-of-sight of the vehicle ensures further safety for its crew.

Open interfaces enable rapid integration of additional systems and mission assets – such as other UAS or BMS (Battle Management System). Modular payloads enable a wide range of missions for a vast array of vehicles.

Advanced AI functions as automated target acquisition, obstacle avoidance and GNSS (Global Navigation Satellite System)-denied navigation operators evolving mission requirements and future challenges.

CORE CAPABILITIES OF INTEGRATED SOLUTION

- Enhancing situational awareness
- Vehicle-mounted or autonomous operation
- Suited for tracked or wheeled vehicles
- Multi-Purpose drone with modular payload configuration
- AI-supported reconnaissance and target detection
- Beyond-line-of-sight surveillance
- BMS/sensor-to-shooter integration
- Open architecture for future growth



In addition, the mobile version of the UAV Mission Module offers vehicle-independent and remote UAS operation. This solution is designed as a stand-alone system, enabling operators to conduct a wide range of missions with the same AI functions as the integrated solution from a safe distance.

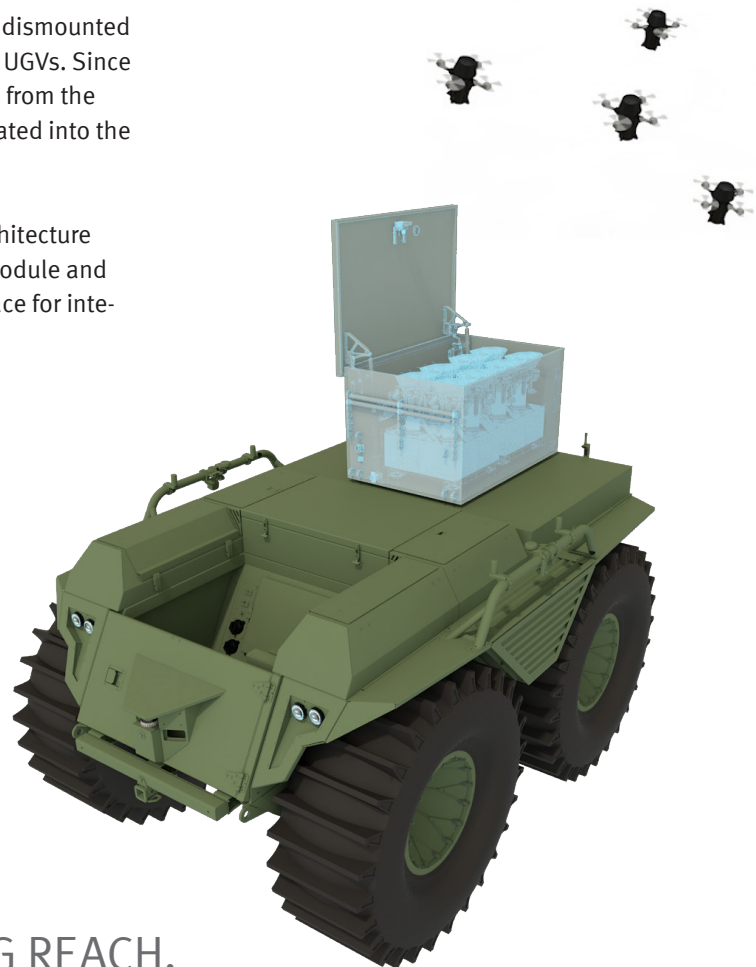
Thanks to its long battery-powered standby time, high level of automation, advanced AI capabilities and flexible communication options, it is also suitable for a wide range of missions. This enables the completion of mission even under highly demanding conditions.

This makes the variant particularly suitable for dismounted operations, though it can also be deployed via UGVs. Since this variant was designed for remote operation from the beginning, UGV integration is already incorporated into the design.

The mobile version benefits from the same architecture as the integrated version of the UAV Mission Module and provides the same state-of-the-art open interface for integrating of additional assets or systems.

CORE CAPABILITIES OF STAND-ALONE SOLUTION

- Enhancing situational awareness for remote operators
- Stand-alone operation or UGV integration
- Up to 7 days standby time
- Multi-channel connectivity (SatCom, WLAN, cable, 5G)
- Multi-Purpose drone with modular payload configuration
- AI-supported reconnaissance and target detection
- Beyond-line-of-sight surveillance
- BMS/sensor-to-shooter integration



EXTENDING REACH.
ACCELERATING DECISIONS.
DELIVERING OPERATIONAL
ADVANTAGE.