

## THEMIS OBSERVE + Shark

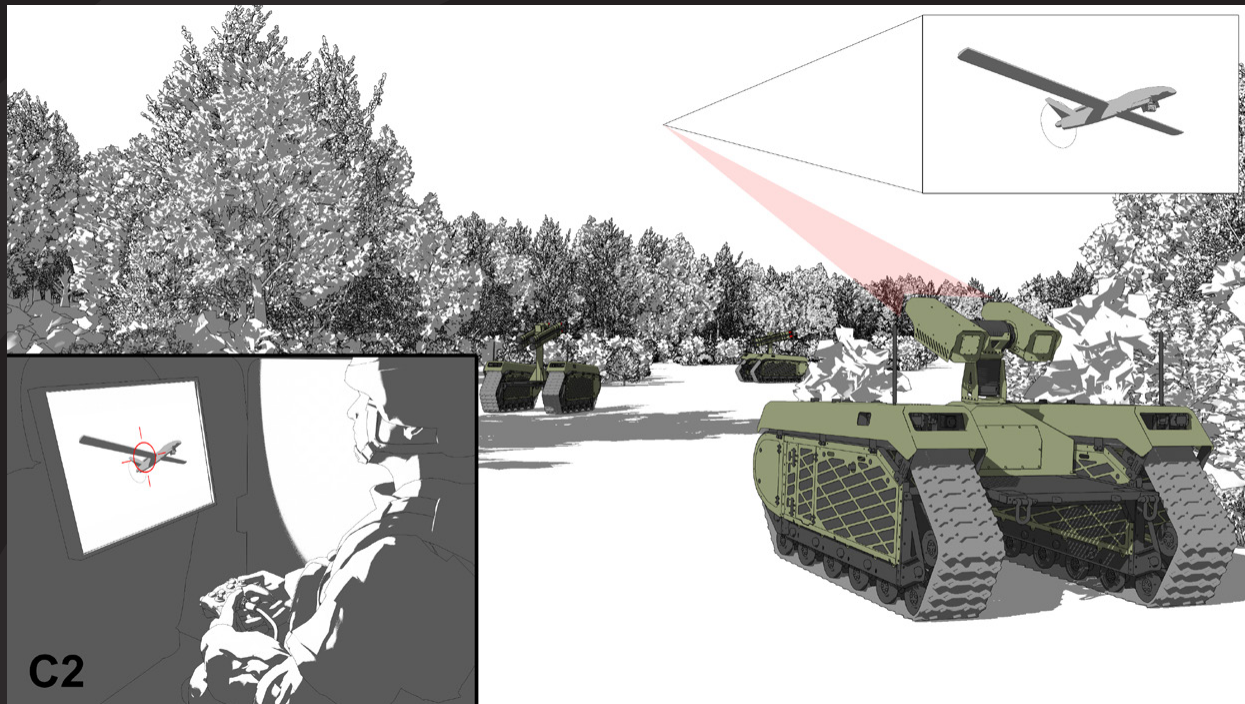
**THE MOBILE AUTONOMOUS C-UAS PLATFORM  
THAT PROTECTS UNITS FROM KILLER DRONES**



The Electro-optical Counter Unmanned Aerial Systems platform Marduk Shark and the THEMIS UGV provides frontline forces an independent ability to accurately Detect, Classify & Target rogue drones or other flying objects by using the most advanced AI and ML models. The mobile C-UAS platform is upgradeable with different sensors and effectors: Radar, RF detector, Jammer, Laser, etc.

# ThEMIS OBSERVE + Shark

## DETECTION AND TRACKING



Detection \_\_\_\_\_ Small multirotor up to 2 km; Class II drone up to 10 km  
 AI - classification \_\_\_\_\_ In challenging environmental conditions  
 Noise elimination \_\_\_\_\_ Bird recognition; Background noise  
 Tracking \_\_\_\_\_ Continuous tracking of Object of Interest

### KEY SPECIFICATIONS

#### MOBILITY

Dimensions \_\_\_\_\_ 240 cm x 205 cm x 150 cm  
 Combat weight \_\_\_\_\_ 1850 kg  
 Additional payload weight \_\_\_\_\_ 550 kg  
 Max. speed \_\_\_\_\_ 20 km/h  
 Ground clearance \_\_\_\_\_ up to 60 cm  
 Max. grade \_\_\_\_\_ 31 deg / 60 %  
 Fording depth \_\_\_\_\_ 60 cm  
 Pull force \_\_\_\_\_ 15 000 N  
 Run time (hybrid, full internal tank) \_\_\_\_\_ up to 15 h  
 Run time (full load, silent mode) \_\_\_\_\_ up to 1,5 h  
 Line of sight control range \_\_\_\_\_ up to 10 km  
 Turning radius \_\_\_\_\_ 0 m

#### GIMBAL

IP rating \_\_\_\_\_ IP 66  
 (Dust tight and water resistant)  
 Working temp. \_\_\_\_\_ -30°C ... +60°C  
 Assembly \_\_\_\_\_ Modular and fast  
 Toughness \_\_\_\_\_ Ruggedized  
 Portability \_\_\_\_\_ Portable

#### OPTIONAL INTEGRATION

Radar \_\_\_\_\_  
 RF detector \_\_\_\_\_  
 Jammer \_\_\_\_\_  
 Hard kill solution \_\_\_\_\_