








-  RUGGED DESIGN
-  RF/EMI/DEW PROTECTED
-  MARINE IP66/IP67
-  -40 °C to +55 °C AMBIENTAL
-  THREAT TRACKING
-  THREAT IDENTIFICATION
-  FULL BSM STANDARD INTEGRATION

APPLICATIONS

AREA DENIAL AND DEFENSE
CRITICAL INFRASTRUCTURE PROTECTION
MOBILE PROTECTION
MARINE VESSELS ASSET PROTECTION

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a-ROI

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**AREA DENIAL MULTI-LAYER
ANTI-SWARM THREAT EFFECTOR**

a-ROI

soft and hard kill capabilities, kinetic, RF
and EM pulse anti-swarm integrated system

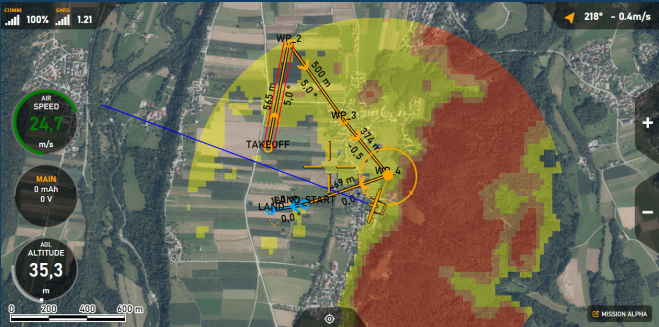


A-ROI

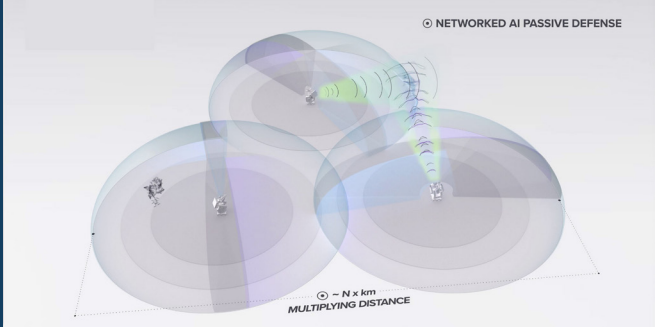
Electrically driven two-axis platform made of aluminium alloy for high performance and payload dynamics.

With acceleration of 1.05 rad/s² (60 °/s²), rotation speed of 1.05 rad/s (60 °/s), very low power consumption, A-ROI is exceptional payload platform. With various integrated sensors, it offers extensive motion, position, environmental and power information. This 1500 kg beast features absolute and relative positioning with an accuracy of 90 µrad (0.005°). It is operated by remote control GUI, communication secured by hardware encryption and can be modified to custom payload requests, slaved to various tracking systems and more.

TECHNICAL OVERVIEW	
Dimensions	156 x 168 x 284 cm
Pan	360° continuous
Tilt	-20° to +90°
Precision & resolution	90 µrad (0.005°)
Rotation speed	1.05 rad/s (60° /s)
Acceleration	1.05 rad/s ² (60° /s ²)
Vibration	20-200 Hz, 0.0255g Hz, 2.2g rms
Shock	25g
Weight	1500 kg
Payload	≤ 1000 kg
Voltage	400 VAC, 49.9 - 60 Hz
Operating temperature	-20 to +55 °C



AI-based tracking and identification
Multi target tracking
Integrated system effective reach: more than 2000m, frequency and power dependent
System kinetic reach: classified
System EM pulse reach: classified
Frequency range: multi-band microwave ranges (details classified)
Polarisation: classified
Pulse width: classified
Beam width: classified
Maximum RF field profile: more than 6000 V/M
EM pulse output power: more than 300 MW
Modular system integration approach
Complete integration with THUNDER, LIGHTNING and STORM BMS
Stationary, land mobile and marine integrations
In use with NATO land and MARINE forces



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A-ROI [ARJ#A09 / 2025-01]
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