ARES

Designing and Securing a Safer Future - In Real Time

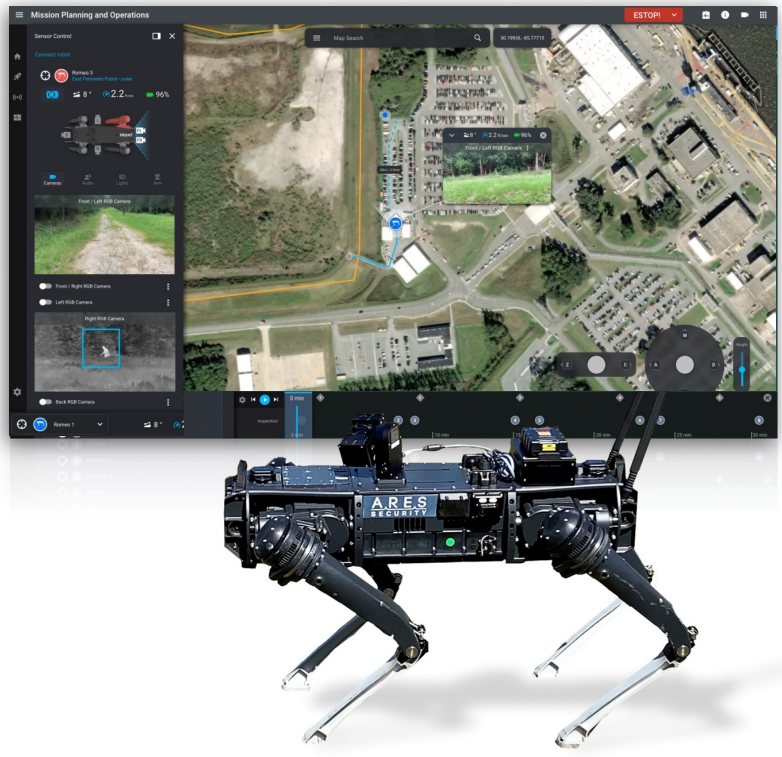
AVERT MPO

MISSION PLANNING & OPERATIONS

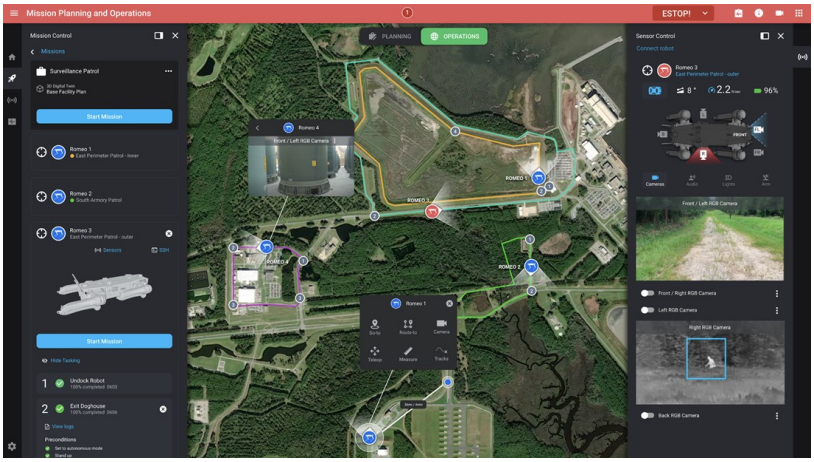
A One-to-Many Solution for Mission or Response Planning, Automated Inspections or Patrols, and Synchronized Control of Disparate Teams of Q-UGV, UAS, and Other Artificial Machines.

True Automation for Robotic Assets

- Robotic platform agnostic, integrating robodogs (Q-UGV), sUAS, UAS, ground and aerial robots, and additional artificial machines.
- Uses the AVERT Digital Twin to provide robotic sentries with immediate site knowledge and automated dynamic pathing that adapts based on mission objectives and obstacles.
- A safe and effective substitute for routine patrols, hazardous inspections, or tasks in threatening environments.
- Capable of integrating advanced security, safety, or detection sensors for extended capabilities.
- A single system can manage teams of autonomous robots, integrated systems or sensors, and responders in the field.
- The platform automatically plans missions and incident responses, providing a probability of success.



AVERT MPO Capabilities & Benefits



Comprehensive Command & Control

AVERT MPO combines a mission planning and operations tool with an advanced Command and Control platform to manage and respond to all aspects of your organization. The system can be utilized for both security and routine operations to optimize monitoring, safety, security and response capabilities. User-defined mission plans, rules, and standard operating procedures can all be incorporated to automatically alert to designated activity, consolidate and disseminate relevant information, and create a collaborative response to any incidents.

Data Feeds & Integrations

Whether mounted to robotic sentries or utilized on your site, the solution can integrate both security and operational systems/ sensors to provide a comprehensive dashboard that can be shared with internal and external stakeholders. Mission profiles display a comprehensive view of the mission and its objectives, included units, integrated systems/sensors, a mission activity timeline, and standard operating procedures in a checklist view. Any systems or sensors that are integrated with the robotic sentries will automatically be added to the mission profile to be utilized for the mission objectives.

"This system seemed like out of a Sci-Fi movie to me, a "one-to-many" system that could control as many ground and aerial ISR drones as my mission needed, and it did, in fact, perform.

- Tyler L. Morris, TSgt, Team Chief, Phoenix F.I.S.T., 435 SFS

Autonomous Robotic MPO Process

The AVERT Digital Twin optimizes operational planning & equips the robots with automated dynamic pathing that adapts based on mission objectives and obstacles.

This provides the integrated robots with extensive site specific knowledge enabling the sentries to perform their preplanned mission with full autonomy without relying on an external controller.

AVERT MPO provides a C2 integration platform that delivers tasking, control, and reporting of any field personnel, autonomous robots, drones, and other artificial machines as well as their mounted systems.

Numerous robots can be integrated with AVERT MPO to provide a wide range of applications and unique abilities that enable disparate robots to perform synchronized objectives.

Unique dashboards, rules, and workflows can be created within the platform to streamline or even automate planned missions, standard operations, or emergency responses for your organization.