

RAPIDLY TRANSFORM TACTICAL PLATFORMS INTO AUTONOMOUS MISSION SYSTEMS.



Otonos is a modular autonomy and mission integration ecosystem that converts tactical vehicles and equipment into remotely operated or autonomous systems capable of teleoperation, ISR integration, mission autonomy, and operator-safe operations in contested environments.

TELEOPERATION

Remotely operate equipment from a safe distance using intuitive controls

VEHICLE CONTROL

Full control of drive, steering, and mission payloads

AUTONOMOUS NAVIGATION

Navigate complex terrain with precision using GPS or GPS-denied solutions

SENSOR FUSION

Integrate camera, radar, lidar, and other sensors for situational awareness

REMOTE SAFETY STOP

Multi-layer safety systems ensure operator and platform awareness

ISR INTEGRATION

Seamlessly integrate UAS and ground sensors for extended reach

TACTICAL NETWORKING

Secure, resilient communications across the battlespace

OPERATIONAL ADVANTAGES



REDUCED OPERATOR RISK

Keep personnel out of harm's way



FASTER MISSION TEMPO

Respond and adapt faster to threats



PLATFORM INTEGRATION

Works across vehicles, equipment, and payloads



LESS PERSONNEL

Do more missions with fewer people



RAPID CONVERSION

Convert from manned to unmanned in minutes



MISSION SCALABILITY

Scale autonomy to meet evolving mission demands

WWW.ARA.COM/AUSA

AUSA@ARA.COM



MISSION APPLICATIONS

CONVOY OPERATIONS

Lead, follow, and flank operations with reduced risk to personnel.

RECONNAISSANCE

Gather intelligence in denied or high-risk environments.

BASE DEFENSE

Autonomous perimeter patrols and threat response.

COUNTER-UAS

Detect, track, and engage UAS threats from a standoff distance.

CASEVAC ESCORT

Provide overwatch and route security for medical evacuation.

TACTICAL RESUPPLY

Deliver supplies and equipment without exposing personnel.

ROUTE CLEARANCE

Identify and neutralize hazards before troops move forward.

BORDER SECURITY

Persistent surveillance and patrol of borders and critical assets.

SYSTEM ARCHITECTURE



REMOTE OPERATOR

Command & Control Station, Handheld Controller



SENSORS

EO/IR, Radar, LiDAR, Acoustic, Environmental



PAYLOADS & EFFECTORS

Weapon systems, disruptors, tools, mission kits



NETWORKS

SATCOM, LTE/5G, MANET, VHF/UHF, WiFi



VEHICLE SYSTEMS

Drive-by-wire, power management, health monitoring



OTONOS AUTONOMY CORE

Autonomy compute, mission management, data fusion