

DRONE AND ROBOT INTEGRATION AND DISPATCH

Drones & Robots

Autonomous eyes in the air and on the ground, dispatched from the control room.



BUILT ON

Azur Drones

Dedrone

DEEP Robotics

Genetec Security Center

Fixed cameras cannot be everywhere. Arpyan integrates autonomous drones, ground robots and airspace monitoring into Genetec Security Center, so an operator can send a drone or a robot to an alarm, watch its video beside the fixed cameras, and be warned when an unknown drone enters the airspace of the site.

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Drone ready in its docking station, with no pilot needed on site

On alarm

Missions start automatically, on schedule or from the operator's map

Airspace

Unauthorised drones detected, identified and located

WHAT IT DELIVERS

First on the scene

A drone takes off when an alarm is raised and delivers live visible and thermal video before a guard could get there.

Patrols without routine

Scheduled perimeter flights and robot rounds cover large sites at any hour and free guards for response.

Goes where people should not

Quadruped robots inspect plant areas, tunnels and hazardous zones, on stairs, in darkness and in rain.

Watches the sky as well

Radio-frequency, radar and camera sensors detect and classify drones and help locate the pilot.

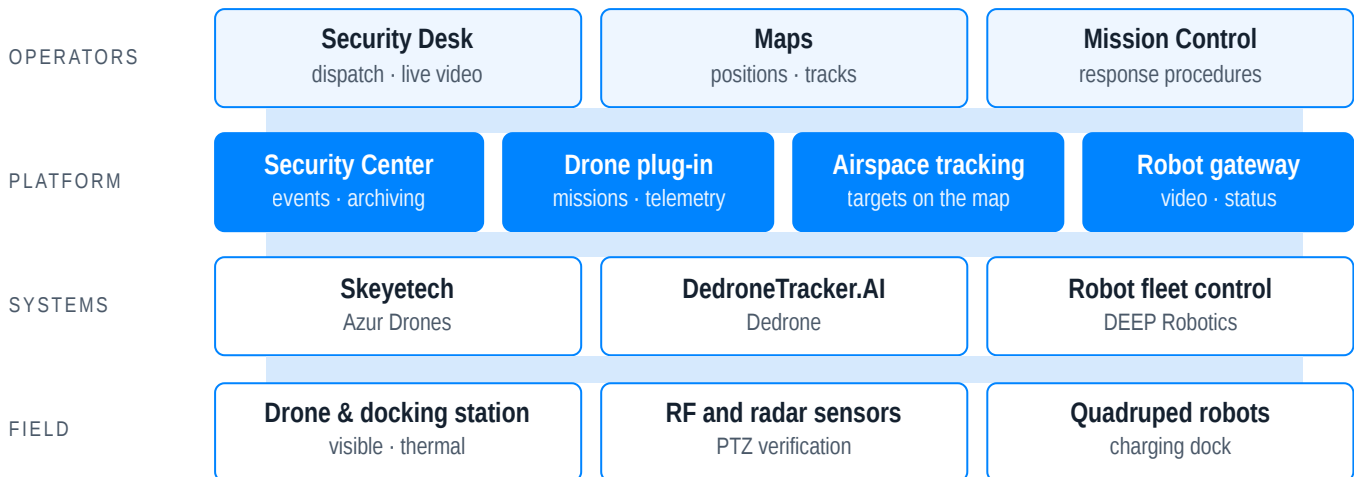
One operator picture

Drone and robot video, positions and alarms appear in Security Center with the fixed cameras, maps and procedures.

Recorded and accountable

Mission video is archived like any other camera, so every flight and patrol can be reviewed and used as evidence.

SOLUTION ARCHITECTURE



TECHNOLOGY BUILDING BLOCKS

Azur Drones Drone-in-a-box	Skeyetech autonomous drone with docking station and day and thermal cameras, flown beyond visual line of sight. Missions are launched from Security Center manually, on schedule or on alarm.
Dedrone Airspace security	DedroneTracker.AI combines RF, radar, video and acoustic sensors to detect, identify and track drones and locate their pilots, with type and position shown in Security Center.
DEEP Robotics Ground robots	X30 industrial quadruped: IP67, -20 to +55 °C, 45° stairs, autonomous navigation in darkness and automatic charging, carrying visible and thermal cameras.
Genetec Security Center Unified dispatch	The alarms, maps and procedures that trigger and supervise each mission, with video recorded next to the fixed cameras.

Regulatory note: drone operations need authorisation from the civil aviation authority, and active counter-drone measures are reserved to authorised bodies. Arpyan supports the client in defining a compliant concept of operations.

TYPICAL APPLICATIONS

- Ports and logistics terminals
- Energy and industrial plants
- Critical infrastructure perimeters
- Large estates and resorts
- Stadiums and events
- Justice and correctional facilities
- Fire and incident verification

COMBINES WITH

Management Platform ·
Surveillance · Early Fire Detection ·
Industrial Networks

HOW ARPYAN DELIVERS

1 Design

Requirements, coverage and architecture studies, specifications and bills of quantities.

2 Supply

Equipment, software and licences from the manufacturers, with their full warranty.

3 Commission

Platform configuration, guidance of the installer on site, testing and hand-over.

4 Support

Operator and administrator training, documentation and ongoing technical support.



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