

Bridging Humanity & Technology with Perfect Harmony



Slide to Success

LEARN MORE



OUR IDENTITY

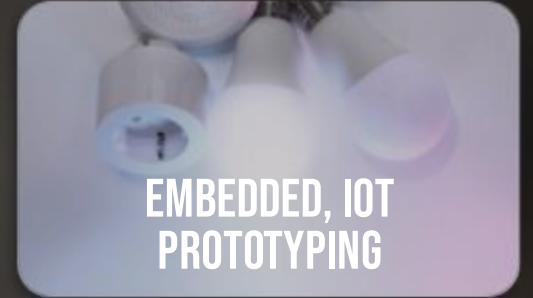
Our brand symbolizes our philosophy—crafted around the principles of the **golden ratio**, it represents the perfect balance between technology and humanity.



This balance reflects our belief that technology should **empower and protect human lives and privacy** while maintaining harmony with the world around us.



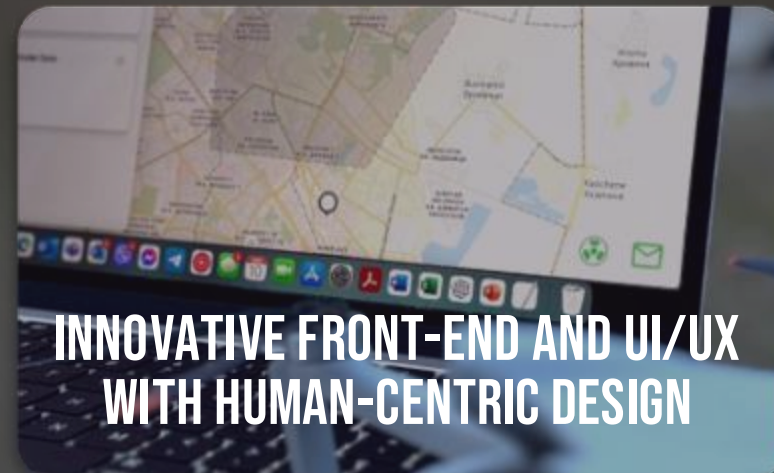
**EMPOWERING MODERN DEFENSE WITH
C-UAS WITH AI ALGORITHMS**



**EMBEDDED, IOT
PROTOTYPING**



**HARDWARE
PROTOTYPING**



**INNOVATIVE FRONT-END AND UI/UX
WITH HUMAN-CENTRIC DESIGN**



**VISIONARY TEAM WITH DEEP
INDUSTRY EXPERIENCE**

CORE EXPERTISE (1)

COMPREHENSIVE SOLUTIONS FOR TAILORED COUNTER C-UAS



1/ REQUIREMENTS AND ARCHITECTURE

From initial ideation to deployment, we manage every aspect of the development lifecycle in-house.

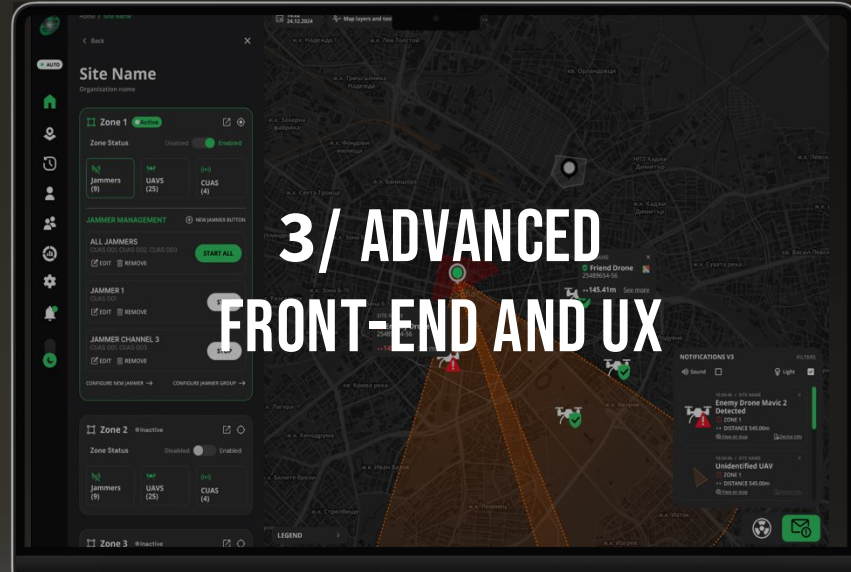


2/ EMBEDDED SOFTWARE AND DESKTOP SOFTWARE

Powering mission-critical functions with robust, low-latency embedded software written in C/C++ and Python.

CORE EXPERTISE (2)

COMPREHENSIVE SOLUTIONS FOR TAILORED COUNTER C-UAS



Intuitive, real-time control interfaces designed for seamless operator interaction.



Precision-engineered antennas designed to enhance detection accuracy and range.

CORE EXPERTISE (3)

COMPREHENSIVE SOLUTIONS FOR TAILORED COUNTER C-UAS



5/ HARDWARE PROTOTYPING

Industrial interfaces designed to meet customer expectations, development demand and standards compliance.



6/ SW AND HW INTEGRATION

Precision-engineered antennas designed to enhance detection accuracy and range.



7/ TESTING

End-to-end quality management having intensive testing during design, development and integration with use cases, compliance and constraints.

A black and white photograph featuring a dark, heavy fabric draped over an unseen object, creating deep folds and shadows. The fabric covers most of the frame, with its edges pooling on the floor. The background consists of vertical folds of similar fabric. Centered over the draped object is the text 'FLAGSHIP PRODUCT' in a bold, white, sans-serif font.

FLAGSHIP PRODUCT

BEFORE

HEAVY MILITARY EQUIPMENT

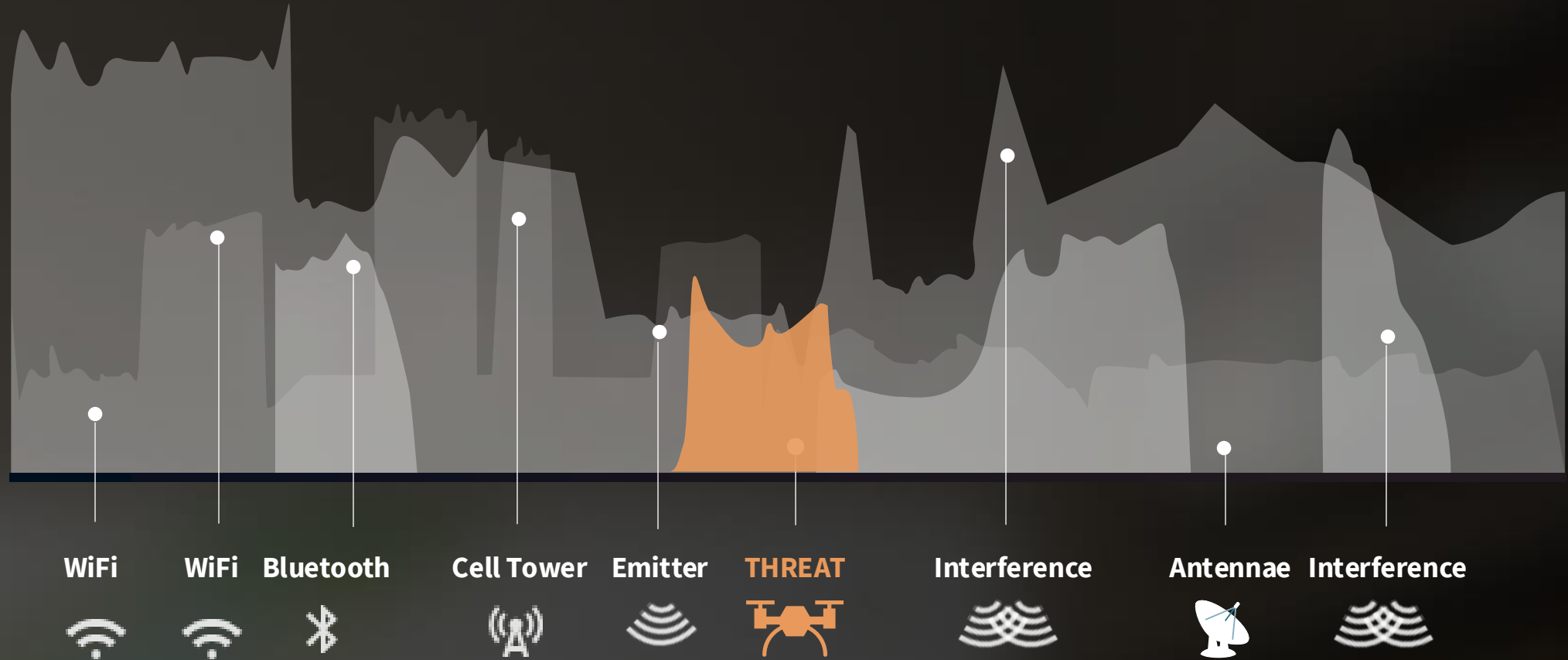


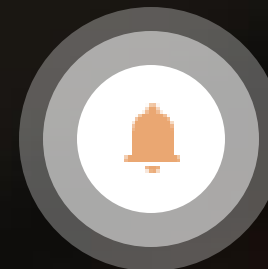
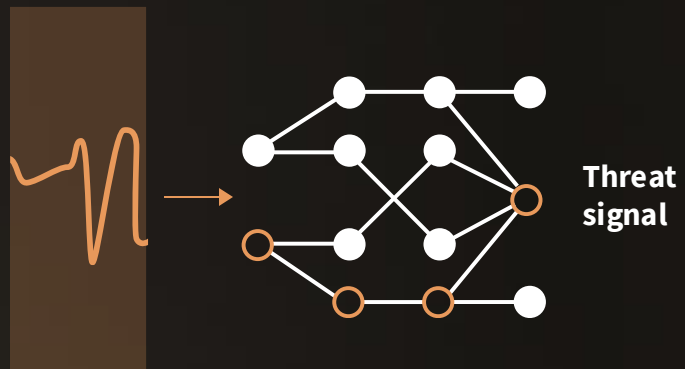
NOW

TECHNOLOGY IS THE
DECISIVE FACTOR



AI ENGINE SEES THROUGH NOISE – RADIOFREQUENCY SPECTRUM





Software Defined Radio
Records and Converts to
Digital Signal

Convolutional Neutral
Network (CNN)
Analyses the Data

Threat Detection
Output!

1

2

3

4

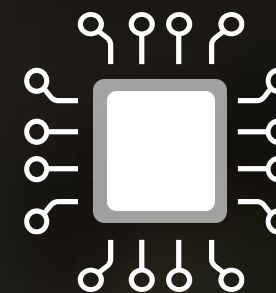
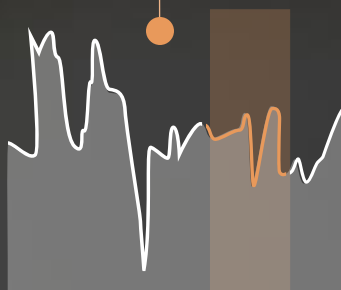
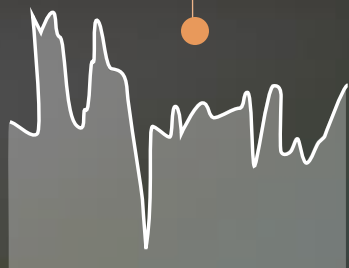
5

6

Total Radio
Frequency Band

Software Pre-processes
the Digital Signal

Software Processes CNN
Data Output



1010001010111000

OUR FLAGSHIP ANTI-DRONE PRODUCT – MAIN BLOCKS



MULTI-LAYER MULTI SENSOR ARCHITECTURE

- Open sensor fusion platform
- RF Based Drone 360° detector (RFDD)
- Drone RF Jammer (DRFJ)
- Video based Drone Identification & Tracking (VDIT) (optional)
- Acoustic based Drone Identification & Tracking (ADIT) (optional)
- RADAR (optional)



FPGA AND SOFTWARE DEFINED RADIO TECHNOLOGY

- Wide band of frequencies 70Mhz - 6GHz
- 350+ Drone Protocols Library
- Quarterly software updates
- IP67 Robust Military Grade Design



COMMAND AND CONTROL PLATFORM

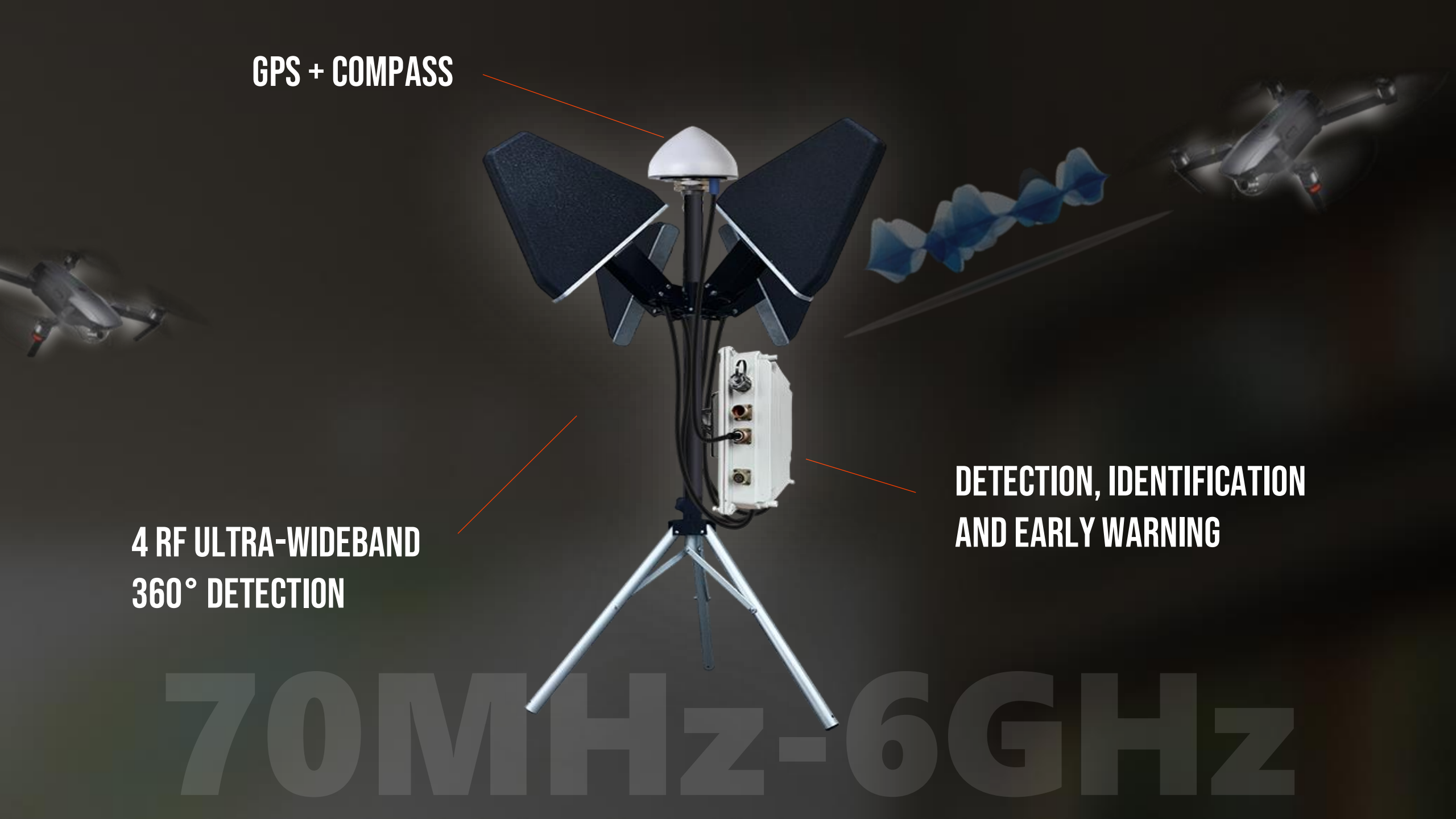
Enable operators to view real-time analytics of local detection activity with map overlay, while supporting user-defined options for either automatic or manual disruption.

GPS + COMPASS

**4 RF ULTRA-WIDEBAND
360° DETECTION**

**DETECTION, IDENTIFICATION
AND EARLY WARNING**

70MHz-6GHz



ADVANCED SENSOR FUSION

Radio Frequency



Overview

Foundational layer
Detects drone comms protocols (via conventional RF library or an AI engine)

Advantages

- ✓ No interference with other sensors
- ✓ Tracks multiple targets
- ✓ Passive – cannot be “seen”
- ✓ Low false alarm rate
- ✓ Direction-finding capability
- ✓ Long ranges
- ✓ Cost effective

Disadvantages

- ✗ Doesn't pick up RF-silent drones
- ✗ Requires firmware updates

Radar



Motion tracker - emits signals which are then reflected back to the radar by targets

- ✓ Picks up drones without RF emissions
- ✓ Tracks multiple targets

- ✗ False alarms (birds, etc)
- ✗ Is “seen” as emits energy
- ✗ Longer range detection is expensive
- ✗ Struggles with hovering drones

Cameras



Electro-Optical (EO), Infrared (IR) and Thermal
Video analytics and image capture
identification of drone activity

- ✓ Best used for verification, classification and tracking of a target detected by other sensors
- ✓ Potential identification of payloads
- ✓ Provides “eye on target”

- ✗ Not well suited for detection on its own due to field-of-view vs distance trade-off
- ✗ Requires firmware updates

Acoustic



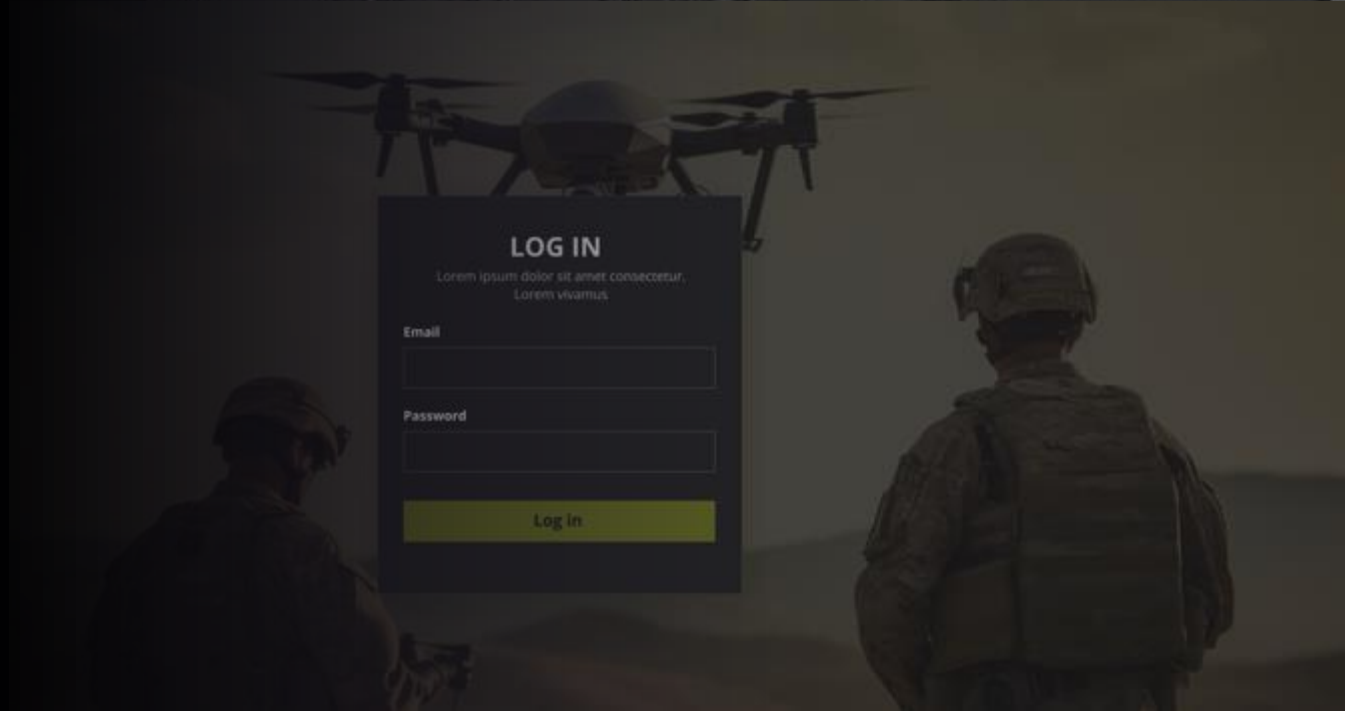
Compares noise of drone blades or motor to a database of acoustic signatures

- ✓ Passive, cost effective
- ✓ Supporting sensor, filling gaps from other sensors

- ✗ Short range
- ✗ False alarms
- ✗ Cannot locate or track
- ✗ Requires signature database updates

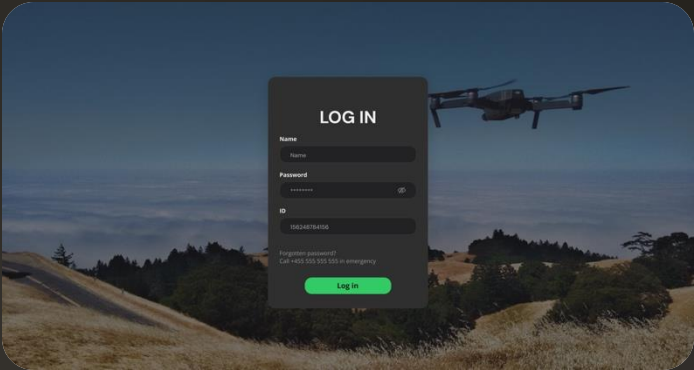


SOFTWARE

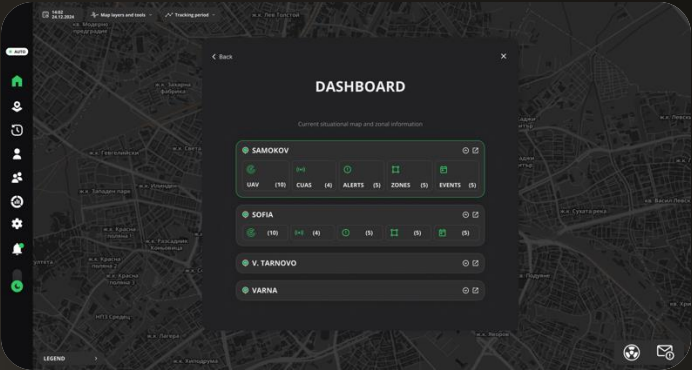


OUR FLAGSHIP ANTI-DRONE PRODUCT - FEATURES

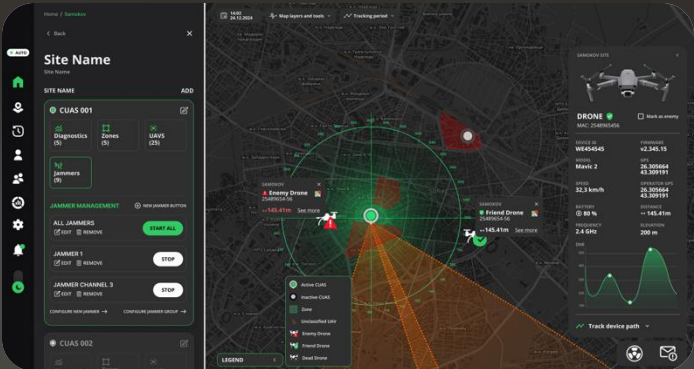
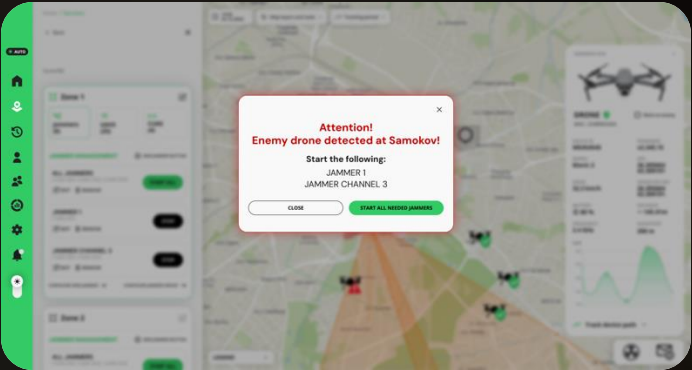
MANAGE THE SITE FROM ANYWHERE



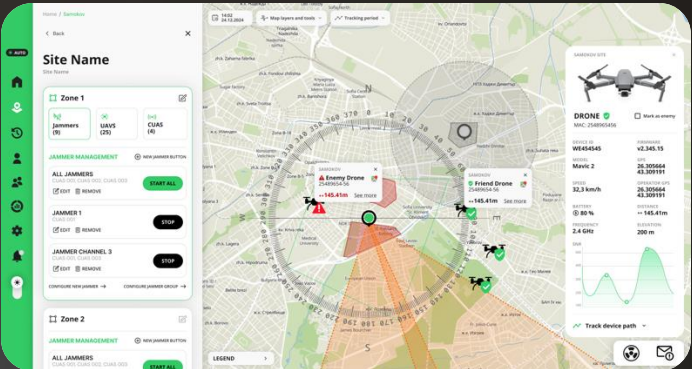
DASHBOARD



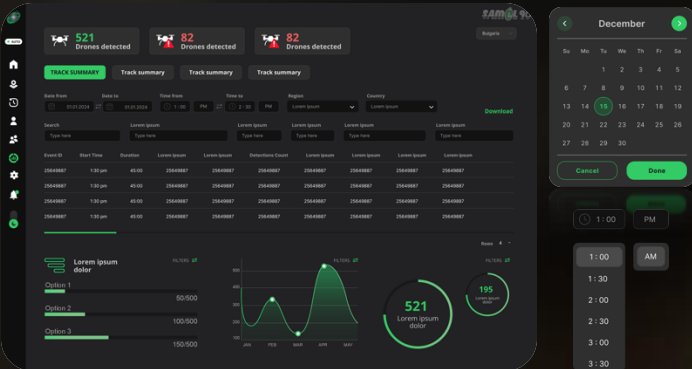
OPERATOR VIEW



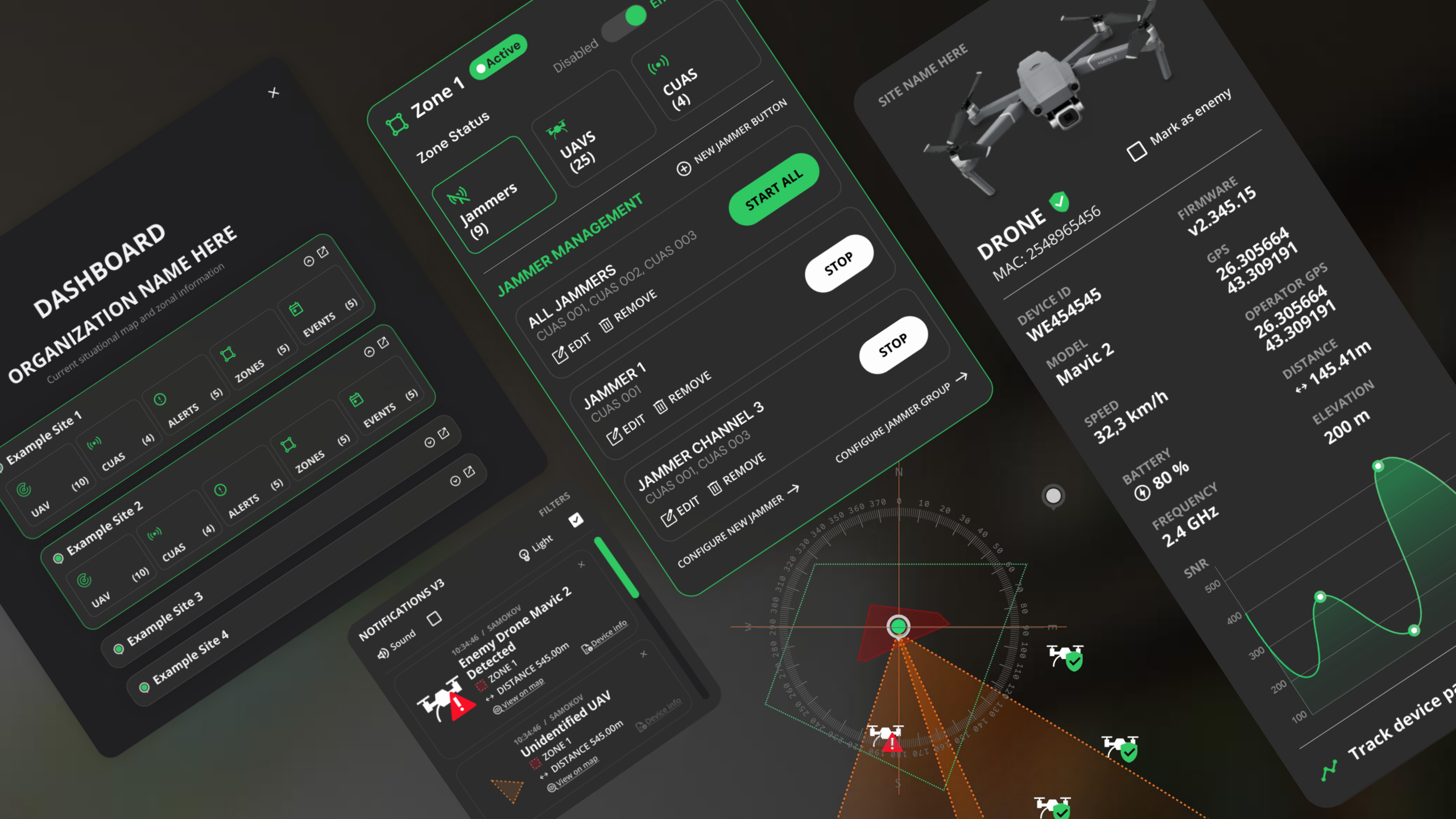
LIVE MONITORING DASHBOARD



LIGHT /DARK THEME



DETAILED EVIDENCE COLLECTION



DASHBOARD

ORGANIZATION NAME HERE

Current situational map and zonal information

Example Site 1

UAV (10)

CUAS (4)

ALERTS (5)

ZONES (5)

EVENTS (5)

Example Site 2

UAV (10)

CUAS (4)

ALERTS (5)

ZONES (5)

EVENTS (5)

Example Site 3

UAV (10)

CUAS (4)

ALERTS (5)

ZONES (5)

EVENTS (5)

Example Site 4

UAV (10)

CUAS (4)

ALERTS (5)

ZONES (5)

EVENTS (5)

Zone 1

Zone Status: Active Disabled

Jammers (9)

UAVS (25)

CUAS (4)

JAMMER MANAGEMENT

ALL JAMMERS

CUAS 001, CUAS 002, CUAS 003

EDIT REMOVE

START ALL

STOP

JAMMER 1

CUAS 001

EDIT REMOVE

STOP

JAMMER CHANNEL 3

CUAS 001, CUAS 003

EDIT REMOVE

CONFIGURE NEW JAMMER

CONFIGURE JAMMER GROUP

NOTIFICATIONS V3

Sound ☐

10:34:46 / SAMOKOV

Enemy Drone Mavic 2

Detected

ZONE 1

DISTANCE 545.00m

View on map

Device info

10:34:46 / SAMOKOV

Unidentified UAV

Detected

ZONE 1

DISTANCE 545.00m

View on map

Device info

DRONE

MAC: 2548965456

DEVICE ID

WE454545

MODEL

Mavic 2

SPEED

32,3 km/h

BATTERY

80 %

FREQUENCY

2.4 GHz

SNR

500

FIRMWARE

v2.345.15

GPS

26.305664

43.309191

OPERATOR GPS

26.305664

43.309191

DISTANCE

145.41m

ELEVATION

200 m

Mark as enemy

Track device path

TECHNOLOGY ROADMAP - NEW PRODUCTS & SOFTWARE CAPABILITIES

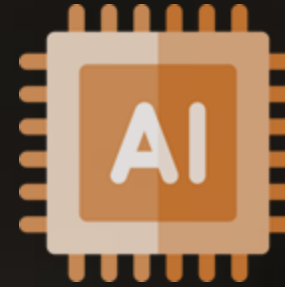
Q4 2024

Launch of Phase 1 of C-CUAS command-and control web on-prem platform



Q3 2025

Deployment - AI identification & classification



Q1 2026

AI-driven computer vision technology to detect verify and track UxS in real time

Q2 2025

Release of enterprise-grade autonomous fixed C-UxS Hardware



Q4 2025

Multi-fusion capabilities of detectors, radars, and optical sensors



C-UAS PLAY A CRITICAL ROLE IN CIVILIAN PROTECTION



Surveillance and
Reconnaissance



Critical Infrastructure



Logistics & Supply
Chain



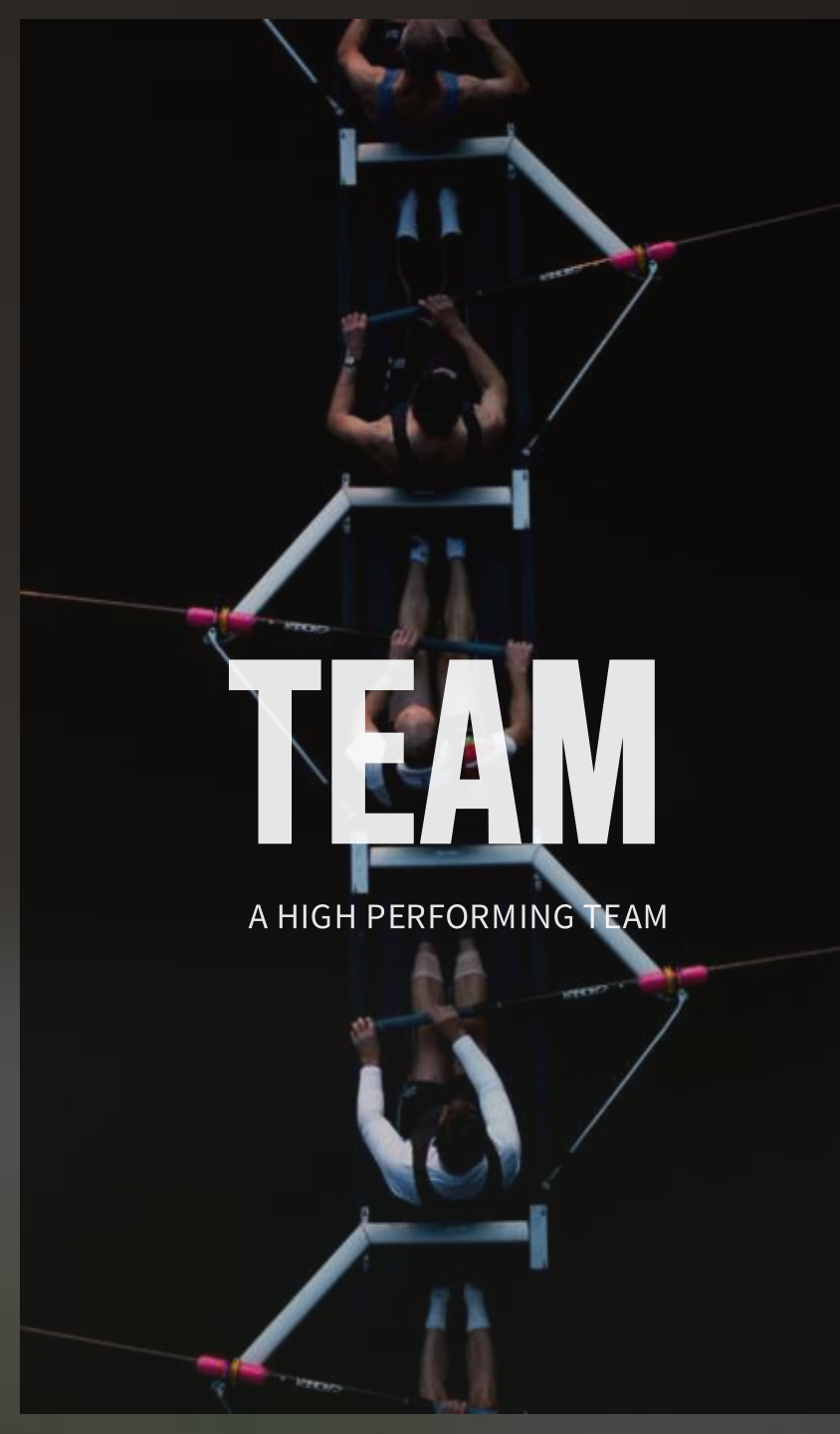
Disaster Response
& Emergencies



Transportation



Public Events &
Commercial Venues

A vertical photograph showing four people rappelling down a rope. They are wearing harnesses and holding ropes. The background is dark.

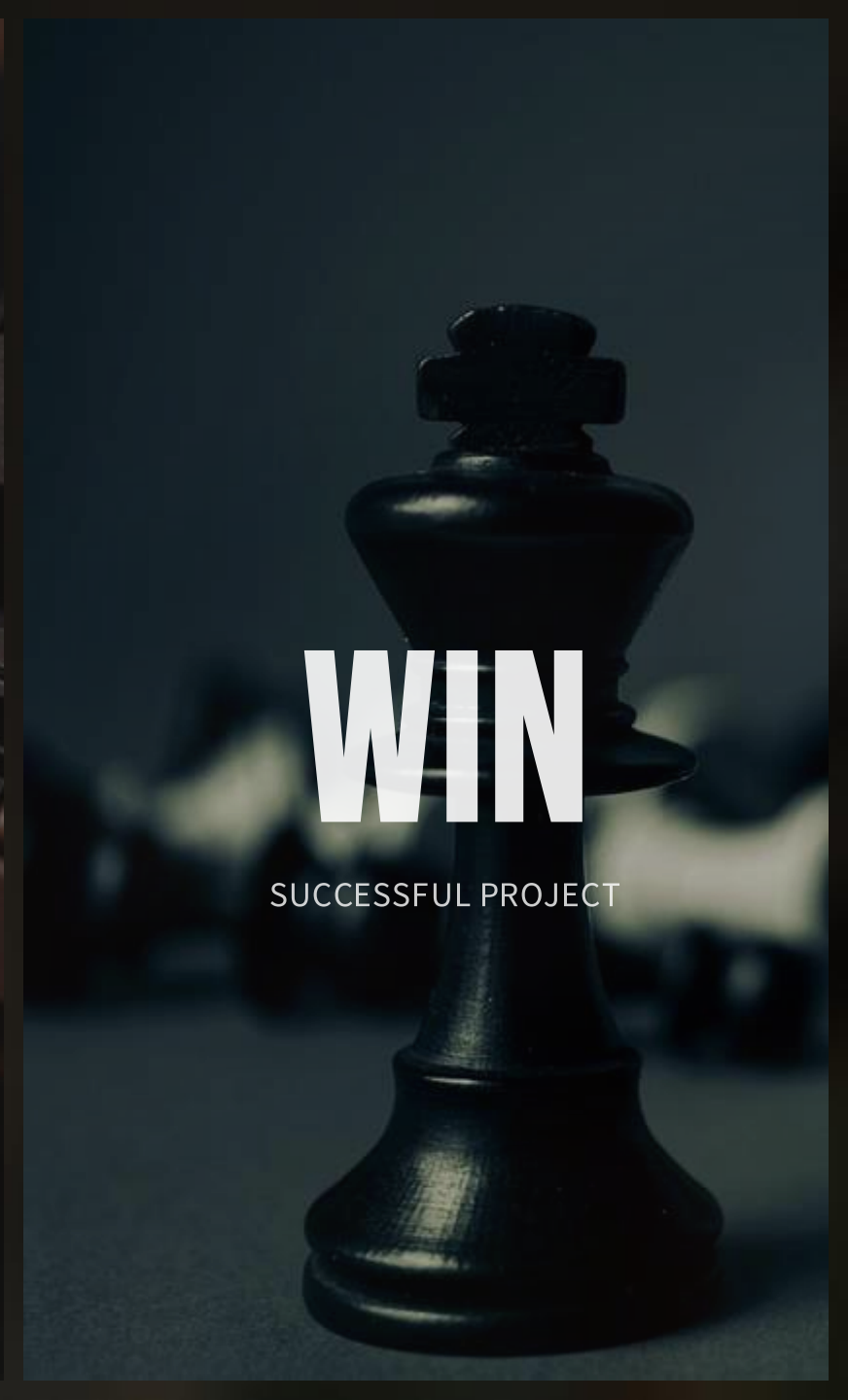
TEAM

A HIGH PERFORMING TEAM

A close-up, angled photograph of a precision tool, possibly a microscope or a camera lens, with various mechanical parts and a lens visible. The lighting is dramatic, highlighting the metallic surfaces.

PARTNER

THE RIGHT PARTNER

A photograph of a large, black chess king piece standing on a dark surface. The background is blurred, showing other chess pieces and a light-colored wall.

WIN

SUCCESSFUL PROJECT

RECAP & KEY TAKEAWAYS



WHO WE ARE?

Agile Bulgarian tech company
Expert team in embedded
& software systems
Focused on innovation and
local R&D



WHAT WE DO?

R&D in anti-drone and
autonomous platforms
Embedded software, signal
processing, real-time interfaces
Partnering with local defense
firms Aligned with EU/NATO
strategic priorities



WHAT WE SEEK?

Joint R&D initiatives or
co-development of dual-use
systems.
Access to expertise, and
integration with larger defense
platforms. Looking for joint-
ventures and collaborations.



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Grand Tour Technology LTD



SCAN ME

**LET'S DO THE NEXT
GREAT THING
TOGETHER !**