TEKEVER

AR3 EVO

YOUR MISSION, YOUR CONFIGURATION

The TEKEVER AR3 EVO is a next-generation, multi-role Unmanned Aerial System (UAS), combining modularity, autonomy, and proven operational performance. Designed and manufactured in Europe, and tested in frontline deployments, it offers unrivalled mission adaptability — whether in maritime, land, or contested airspace.

With a dual deployment system (VTOL and fixed-wing), the AR3 EVO enables rapid launch and recovery, even in confined or mobile environments. Its advanced autonomy, plug-and-play architecture, and minimal logistical footprint make it ideal for today's dynamic operational theatres.

MISSION **READY**

COMBAT **PROVEN**

MODULAR

YOUR EYES ON THE UNKNOWN

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KEY FEATURES

One System, Multiple Aircraft

Deploy multiple platforms with distinct configurations, working in coordination for the same mission objective.

Fully Modular Architecture

Adapt payloads, comms, propulsion and launch method according to mission requirements.

Precision VTOL Capability

Operate from just 5x5 metres, including ship decks and unprepared terrain.

Mission-Ready in Minutes

From case to airborne in under 5 minutes. Operator training in 5 days.

Flexibility in Four Pillars

PAYLOADS

SENSORS FOR SURVEILLANCE, SAR, TARGETING AND MORE

DEPLOYMENT

FIXED-WING OR VTOL, CHOSEN PER MISSION

PROPULSION

ELECTRIC, COMBUSTION OR HEAVY-FUEL, OPTIMISED FOR ENDURANCE, SPEED OR ALTITUDE

COMMS

PLUG-AND-PLAY: SATCOM, LTE OR LINE-OF-SIGHT

MISSION PROFILES

AR3 EVO battle proven

DETECT & IDENTIFY

Designed for Intelligence, Surveillance and Reconnaissance (ISR), this configuration enables persistent monitoring, target detection, and classification — even in complex or GPS-denied environments.

Typical Payloads:

- **EO/IR or HD Gimbals**
- **SAR radar**
- **GMTI function**
- **SIGINT sensors**
- **Tactical datalinks**
- **Laser designator**

ELECTRONIC ATTACK

Supports electronic warfare operations and tactical effect delivery, including electronic denial and jamming operations, using focused configurations built around reliability and precision.

Typical Payloads:

- **Directional EW antennas**
- **Anti-jamming modules**
- **Target-specific communication nodes**
- **Laser designator**

COMMUNICATIONS RELAY

Ideal for extending operational reach in cluttered and arduous terrain or EMS contested zones, this setup provides a secure communication bridge between dispersed ground units, platforms, or C2 nodes.

Typical Payloads:

- **Mesh network radios**
- **SATCOM / LTE**
- **IFF and ADS-B transponders**

MARITIME WIDE AREA SURVEILLANCE

Equipped for persistent monitoring over littoral or open-ocean environments, detecting illicit activities, monitoring wildlife, and providing wide-area situational awareness.

Typical Payloads:

- **EO/IR gimbals**
- **AIS receivers**
- **Maritime VHF**
- **SAR radar**

Landing on ship on 5x5m

COMPATIBLE PAYLOADS & SENSORS

PLATFORM SPECIFICATIONS

MTOW:	25 kg (up to 30 kg in VTOL)
Endurance:	Up to 22h (FW) / 14h (VTOL)
Payload Capacity:	6 kg
Cruise Speed:	46 knots
Comms Range:	Up to 230 km
Launch / Recovery:	Catapult / VTOL / Parachute
Dimensions:	4.2 m (W) x 1.96 m (L)

GIMBALS (EO/IR)
Trillium HD80, HoodTech AC11, AC06 LD, TEKEVER Gimbal, Octopus Epsilon E140, Nextvision Raptor

RF / Comms
Silvus, Persistent Systems, Radionor, Doodle Labs, Microhard, Starlink, Honeywell Versawave, DTC, ridium, Trellisware TSM, Link 16

AIS / VHF
AIS Receiver, Maritime VHF, Aeronautical VHF

TRANSPONDERS
Mode S ADS-B IN/OUT, IFF Mode-5

RADAR (SAR/ISR)
IMSAR NSP-3

ELINT / SIGINT
CRFS, ESROE, Revector, Lifeseeker

ELECTRONIC WARFARE
CRPA Antennas

OTHERS
EPIRB, Overwatch PT-6

ENGINEERED IN EUROPE.
TRUSTED WORLDWIDE.

YOUR EYES ON THE UNKNOWN

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AR3 HOT-SWAPPABLE VTOL INTEGRATED SAR

A modular & transformable asset, with optional VTOL capability, for extended aerial operations, especially in difficult terrain conditions. AR3 - VTOL option is the ideal choice for meeting evolving mission requirements.

- ISTAR Missions
- Wide Area Surveillance
- Border Protection
- Maritime Surveillance
- Communications Relay
- Pollution Monitoring
- Infrastructure Monitoring
- Artillery Correction

EASY LAUNCH & RETRIEVAL

ITAR FREE

LOWEST TOTAL COST OWNERSHIP

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AR3 BESPOKE FEATURES, BATTLE-TESTED:

Swappable modular communication that enables operators to rapidly swap their radio bands in the field to match allied communications networks or frustrate enemy detection

Optional radios (Silvus and Persistent Systems C-band and S-band radios), combined with TEKEVER designed extended LRTA for increased RLOS ops (2, 3 and 4 dishes, depending on radio model) - successfully operated over 220Km

Built for enhanced operations in jammed environments with multi-layered systems of EW resilience:

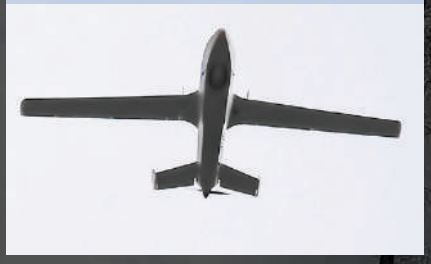
- Modular CRPA antenna with full range of options
- Alternative navigation sensors
- Unique anti-spoof autopilot coding
- 'No GPS' operator mode to enable flight operations in completely jammed environments - GPS denied operations

- Specially designed and proven low RCS to minimise radar detection against a wide range of military radar systems
- Heated pitot tubes to enable ops in icing conditions
- Higher powered engines to enable operations at higher altitudes, with steeper ascend/descend
- Low logistics footprint, system integrated into multiple vehicle fits
- Complex network architecture to enable meshing heterogeneous communication channels (e.g. radio link, starlink, SATCOM)

AR3

Wingspan	4.2 m
Length	1.7 m
MTOW	25 kg
Payload Capacity	4 kg
Flight Endurance	8 - 16 hours payload dependent
Service Ceilling	3,600 m
Comms Range	230 km
Cruise Speed	85 km/h
GCS	Common GCS with AR4, AR3 and AR5 Supports multiple operators and aircraft
Launch Method	VTOL or Pneumatic Launcher
Recovery Method	VTOL or Parachute/Net/Belly/Water

5 minutes from case to airborne



VTOL and fixed wing system - 2 in 1

PAYLOAD SENSORS OPTIONS

- Hoodtech Alticam 06EOIR / 06EO / 06EO LD
- TEKEVER EO + LWIR Gimbal
- Trillium HD55-LV / HD55-MV / HD55-VV / HD45
- Octopus Epsilon 140
- TEKEVER EO + MWIR Gimbal
- Next Vision Raptor

PAYLOAD OPTIONS

- Laser illuminators and rangefinder
- Communication relay systems
- VHF Comms
- Laser Designator
- Multiple options for EO sensors
- Multiple options for near-infrared to LWIR and MWIR sensors
- SAR (Synthetic Aperture Radar)

Integrated synthetic aperture radar

TEKEVER

AR5 MISSION: PATROL

Delivering insight into the unknown.
Meet Europe's first UAS-based
maritime surveillance system.

- Wide Area Surveillance
- Maritime Surveillance
- Border Patrol
- Pollution monitoring
- Fisheries inspection
- Communications Relay

DESIGNED FOR MARITIME AND LAND MISSIONS

ITAR FREE

SATCOM ENABLED

SIMULTANEOUS **EO/IR, SAR** AND **AIS**

ADVANCED **AI ANALYTICS**

LIFE-RAFT DROP CAPABILITY

SIGINT

We do the technology
You do the mission

Together, **TEKEVER**

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AR5

The AR5 is a medium-altitude and medium-endurance fixed wing UAS.

Search & Rescue, maritime surveillance and patrol missions benefit from the increased endurance, reduced operating costs and lower risk to life offered by the AR5.

- Real time collection, processing and transmission of high definition video from multiple EO and IR sensors.
- Redundant critical flight systems, including twin engines
- Sub-Tactical UAS ranging up to 180Kg MTOW
- BRLOS - Beyond radio line of sight satellite communications
- High precision video, imagery and sensor data in real-time
- Flexible architecture, supporting multiple types of payloads and datalinks
- Highest production standards , accordingly with EASA regulations
- Used in multiple collaborative projects for testing and validation
- Selected to create the first European-wide UAS-based Maritime Surveillance System
- ITAR Free
- Fully managed RLoS and BRLoS - Radio line of sight datalink handover
- Takeoff from short unpaved runways
- Automatic take-off and landing (ATOL)
- 30X optical zoom

AR5

	Dimensions	7.3 m x 4.0 m
	MTOW	180 kg
	Payload Capacity	50 kg
	Flight Endurance	20 hours
	Comms Range	unlimited
	Cruise Speed	100 km/h
	Launch Method	unprepared airstrip
	Recovery Method	unprepared airstrip

PAYLOAD OPTIONS

- 5 sensor gyro-stabilized gimbal
- Multiple EO/IR sensors
- AIS and EPIRB
- Maritime Radar
- SAR
- SIGINT
- LifeSaver

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EMSA

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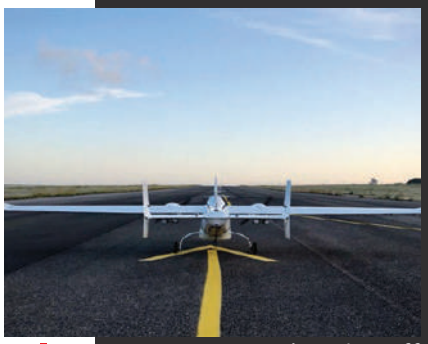

Automatic Take-off & Landing.

Satcom enabled.

Flexible payload options.

Unprepared airstrip

Life-raft drop capability.

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AR5 MISSION: DEEP FIND

Delivering insight into the unknown.
Proven in the harshest operational conditions,
delivering critical intelligence for decision makers.

- Wide Area Surveillance
- Maritime Surveillance
- Border Patrol
- Pollution monitoring
- Fisheries inspection
- Communications Relay

DESIGNED FOR MARITIME AND LAND MISSIONS

ITAR FREE OPTIONS

SATCOM ENABLED

SIMULTANEOUS **EO/IR, SAR** AND **AIS**

ADVANCED **AI ANALYTICS**

LIFE-RAFT DROP CAPABILITY

SIGINT

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AR5

Key Points for this configuration:

SAR Capability

- Integration of IMSAR NSP-7 or NSP-5 enabling Synthetic Aperture Radar, Inverse SAR, and both Maritime and Ground Moving Target Indication (MMTI/GMTI)
- Onboard processing for near real time SAR analysis
- All weather surveillance, dynamic target tracking
- Detections of concealed targets in dense foliage
- 55km detection ranges SAR
- 24km GMTI ranges
- Automatic detection algorithms

Communications REBRO

- 60km rebro to other aerial assets (like AR3)
- Enhances EW resilience of other UAS assets
- Integration with Link-16

Enhanced EO/IR and Laser Designator

- Integration of Hoodtech AC14
- Wide angle and telescope capabitliies
- MWIR and SWIR
- High powered Laser Designator to support munitions

Long Range ELINT

- Equipped with with phased array ELINT payloads to deliver geolocation and direction finding to ranges up to 200km

Persistant Surveillance

- Configuration can deliver up to 16 hours endurance
- 1500km coverage one way sortie or 750km return missions

EW Resilient SATCOM

- High band SATCOM with GNSS/GPS denied environments
- Custom autopilot with EW resilient features
- VBN module available for additional alt navigation resilience

Enhanced Mobility

- Requires only a 300m unprepared strip of terrain

AR5

Dimensions	7.3 m x 4.0 m
MTOW	180 kg
Payload Capacity	50 kg
Flight Endurance	16 - 20 hours depending on payload
Service Ceilling	3600 m
Comms Range RLOS	230 km
Comms Range SATCOM	unlimited
Cruise Speed	100 km/h
Launch/Recovery Method	Runway / Unprepared airstrip 200-300m

PAYLOAD OPTIONS

- 5 Sensor gyro-stabilized gimbal
- Multiple EO/IR sensors
- AIS and EPIRB
- LifeSaver
- Maritime Radar
- SAR
- SIGINT and ELINT

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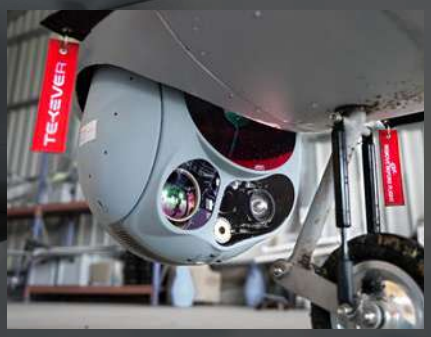
Automatic Take-off & Landing

Satcom enabled



Flexible payload options

Unprepared airstrip

Life-raft drop capability

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ATLAS

REAL-TIME AI INTELLIGENCE AS-A-SERVICE

TEKEVER ATLAS is a tool designed to enhance UAV missions. It provides advanced Artificial Intelligence (AI) analytics onboard for real-time and historical data processing.

NO SOFTWARE INSTALLATION

REAL TIME DATA

NO INTERNET REQUIRED

REPLAY MISSION CAPABILITY

Your eyes on the unknown

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ATLAS - MISSION ENHANCER

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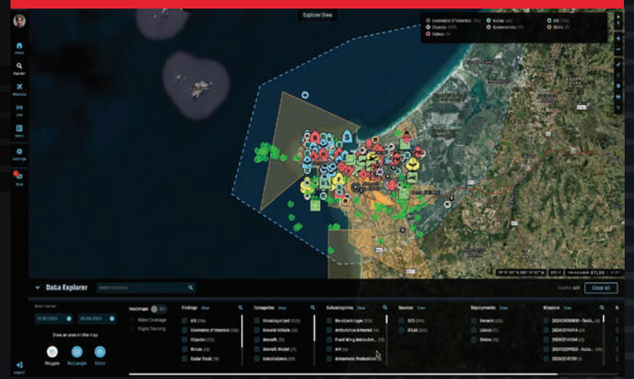
ATLAS equips key users with essential tools for strategic analysis and operational excellence, ensuring superior mission outcomes.

Additional UAV Mission Features:

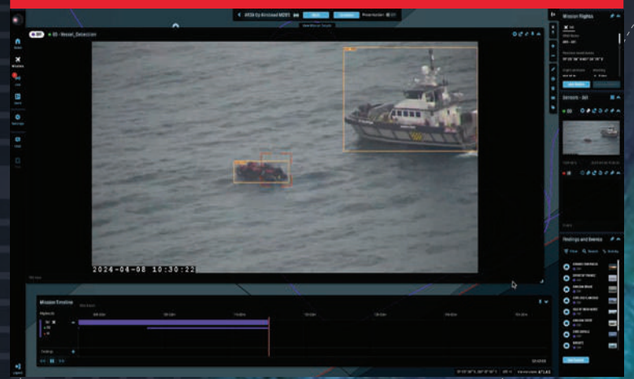
- **TEAM COLLABORATION** Tools
- **REPORTING** Metrics
- **GCS** Integration
- **FIRST PERSON VIEW** Streaming

01. ATLAS DATA EXPLORER



Users can navigate extensive datasets, facilitating in-depth analysis and comparison of outcomes across various missions and timeframes.

02. OBJECT DETECTION

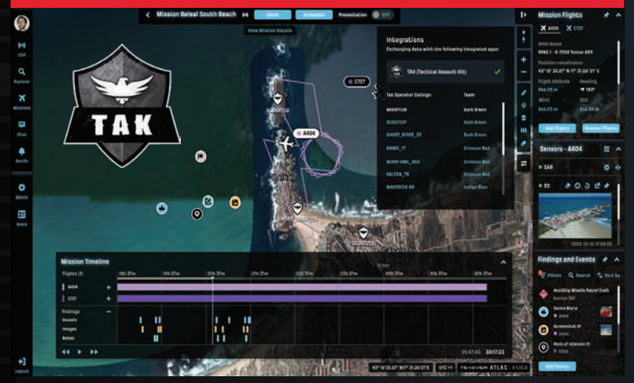


AI-driven object detection for real-time identification and tracking, enhancing situational awareness and operational efficiency.

03. MULTIPLE AIRCRAFT OPERATIONAL CAPABILITIES

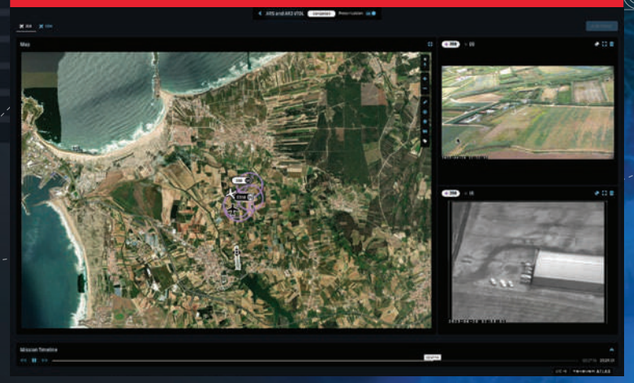
Seamless management of multiple UAVs enables coordinated operations, enhancing operational flexibility and coverage.

04. TEAM AWARENESS KIT INTEGRATION



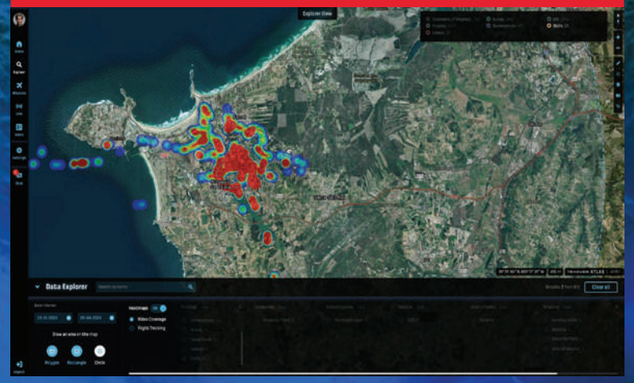
TAK integration boosts UAV surveillance, enhancing collaboration and situational awareness by merging real-time data with RVT applications.

05. MISSION REPLAY



As a visual data hub, ATLAS offers comprehensive flight monitoring and mission replay, enriching operational review and analysis.

06. HEATMAPS

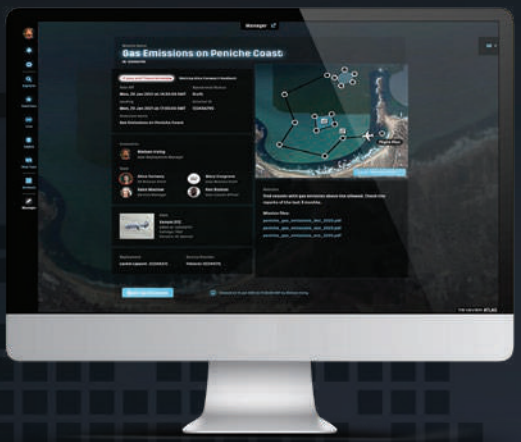


Video Coverage and Flight Tracking tool, aiding precise surveillance and compliance analysis across missions and timeframes.

TEKEVER

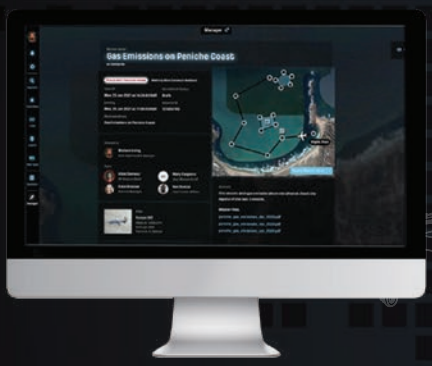
ATLAS

Designed for key decision-makers, TEKEVER ATLAS provides intelligence onboard, as well as ground-based tools for real-time and historical data processing. Our proprietary AI/ML-powered data center ensures that the right information reaches the right person at the critical time.



UAV MISSION ENHANCER ATLAS

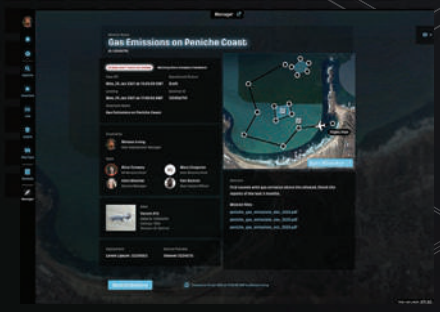
PRE-MISSION



ATLAS enables key decision-makers to more effectively plan their missions by allowing them to easily design mission parameters such as areas of interest, objectives, and targets

OPTIMIZE UAV MISSION PLANNING

- **CREATE** mission briefs
- **DEFINE OBJECTIVES** on the map
- **CHOOSE** aircraft
- **DEFINE** mission parameters
- **MANAGE** approval process with customizable workflow

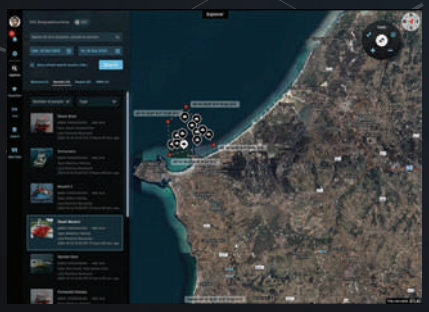


DURING MISSION

Decision-makers can effectively plan missions by easily incorporating parameters such as areas of interest, objectives, and targets.

REAL-TIME MONITORING AND DATA ANALYSIS

- **VIEW** specific details of interest
- **EXPLORE** past missions where areas, vehicles or objects were identified
- **REPLAY** missions and videos to review identified points of interest
- **CORRELATE** data across different missions for comprehensive analysis



POST MISSION

End-users will be able to review specific details of any mission and easily retrieve historical data necessary for prosecution purposes.

MISSION REPLAY AND REVIEW

- **REVIEW** data from completed missions
- **SEARCH** by geographical area or by mission-specific parameters
- **REVIEW** geographical areas covered by operation
- **REPLAY** mission as if in real-time
- **ANNOTATE** results with additional data