

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



From software, to electronics,
to airframe, we master all the
details. We adapt.

We're TEKEVER



info@tekever.com
www.tekever.com

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.

Redundant critical flight systems, including twin engines

Sub-Tactical UAS ranging up to 150Kg 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

PAYLOAD OPTIONS

5 sensor gyro-stabilized gimbal

Multiple EO/IR sensors

AIS and EPIRB

Maritime Radar

SAR

SIGINT

LifeSaver

AT THE SERVICE OF:



Home Office



Automatic Take-off & Landing.



Satcom enabled.



Flexible payload options.



Low maintenance.



Life-raft drop capability

TEKEVER

AR4

ELEVATING YOUR AWARENESS

Simple to operate,
field tested and battle
proven, a perfect fit for
operational requirements.

- ★ ISTAR Missions
- 🎯 Anti-terrorist Surveillance
- 🔥 Environmental Surveillance
- 🏠 Infrastructure Monitoring

2
MINUTE
ASSEMBLY

PROVEN
FLEXIBILITY

LOWEST
TOTAL COST
OWNERSHIP

ITAR
FREE

VERY SMALL
FOOTPRINT



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to airframe, we master all the
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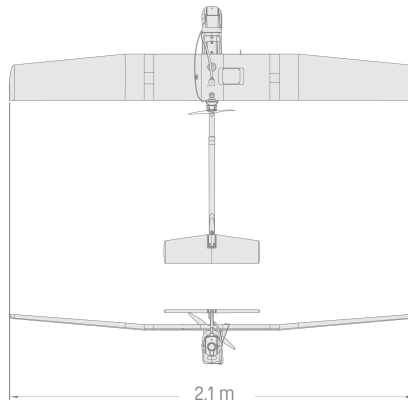
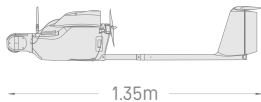
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AR4

TEKEVER AR4 is our lightweight Unmanned Aircraft System (UAS) designed for rapid mobile deployment. Suitable for both military and commercial applications, this tactical platform is easy to assemble, providing an organic ISR capability.



AR4

TEKEVER AR4 main capabilities:

Go anywhere! A focus on ease of use, transportability, maintainability and payload flexibility.

Validated and battle proven by multiple security and military forces

Real-time Precision Imagery
(High-resolution Image and Video)

Powerful intelligent detection, identification and tracking capabilities

Easy exchange of parts from one system to another

Fully modular system, supporting immediate replacement, even with other product lines

Focus on system autonomy, flexibility and capability to evolve

PAYLOAD OPTIONS

Multiple options for EO sensors,

Multiple near-infrared to LWIR sensors

Communications Relay systems

Dimensions

2.1 x 1.35 m

Cruise Speed

54km

Comms Range

20 km

MTOW

4 kg

Payload Capacity

0.5 Kg

Endurance

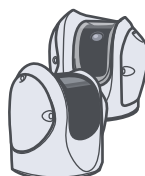
2h

Recovery

Parachute or Belly

Launch

Hand Launched



Components.



Assemble.



Ready to deploy.



Deployment.



Retrieval by parachute.

TEKEVER

AR3

EXTENDING YOUR HORIZON

An easily deployable capability extender for maritime and land operations. With its compact and low-weight operational footprint, AR3 is the best choice for a shipboard surveillance package.

- ★ ISTAR Missions
 - 🎯 Wide Area Surveillance
 - 🛡️ Border Protection
 - 🌊 Maritime Surveillance
 - 📶 Communications Relay
 - 🚢 Pollution Monitoring
 - 🏗️ Infrastructure Monitoring
 - 🎯 Artillery Correction

EASY
LAUNCH &
RETRIVAL

ITAR
FREE

LOWEST
TOTAL COST
OWNERSHIP



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AR3

TEKEVER AR3 is a shipborne UAS designed to support multiple types of maritime and land-based missions, including ISTAR, pollution monitoring, infrastructure surveillance and communications support operations.

Delivering endurance up to 16 hours, the AR3 is a perfect fit to support both maritime and land based missions.

Real time collection, processing and transmission of high definition video from multiple EO and IR sensors

16h Endurance combined with LoS communications range of up to 100km, ideal for vessel-based maritime missions
Optional BLOS datalink available, allowing for extended range operations
Wide range of payload and sensor options according to each missions specific requirements

Reduced logistics footprint, configured for the most demanding tactical scenarios

Extremely easy to assemble, operate and store, assuring excellent readiness conditions

Launched with a mobile catapult system, that can be easily transported and used

All terrain retrieval using deployable parachute and airbags for sensor protection

Artillery Correction capability for ground units

PAYLOAD OPTIONS

Multiple options for EO sensors

Multiple options for near-infrared to LWIR sensors

Laser illuminators

Communication relay systems

AR3

Dimensions

3.5 x 1.7 m

Cruise Speed

85 km/h

Comms Range

100 km

MTOW

23 kg

Payload Capacity

4 kg

Endurance

16 h

Recovery

runway

Launch

catapult

Artillery Correction

artillery

Compact



Full Package



Launch



Net Recovery



Recover

TEKEVER

ATLAS

REAL-TIME ARTIFICIAL INTELLIGENCE (AI) ANALYTICS

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

UNMARKED VESSEL

AR5 #321

PLAN
AND REPLAY
MISSIONS

REAL
TIME

SATCOM
ENABLED

REPLAY
MISSION
CAPABILITY



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to airframe, we master all the
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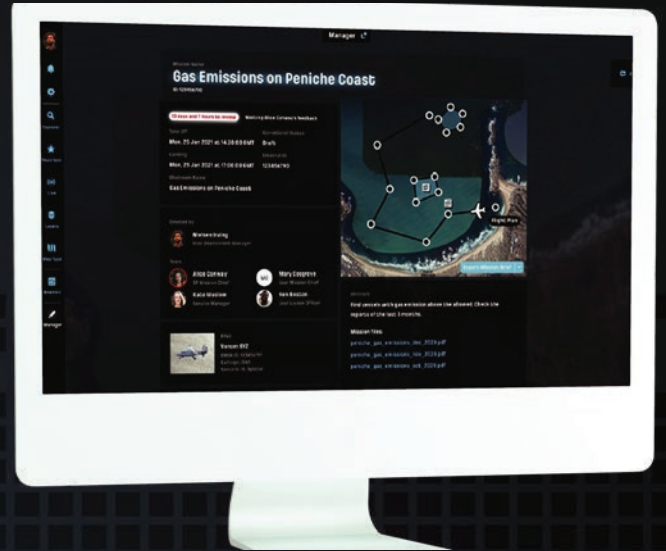
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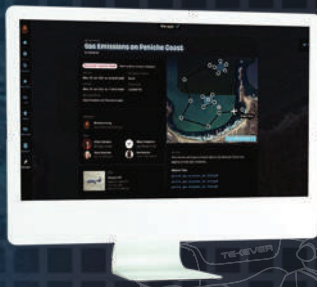
ATLAS

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 assures that the right person gets the right information at the right time.



UAV MISSION ENHANCER ATLAS

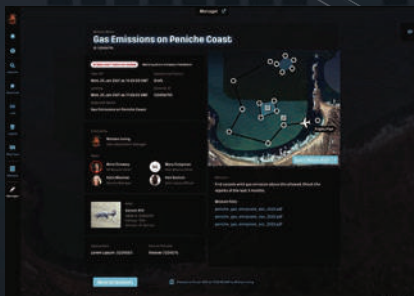
PRE-MISSION



It will allow the decision makers to more effectively plan their missions, by allowing them to easily design mission parameters such as areas of interest, objectives and targets.

UAV MISSION ENHANCER ATLAS

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



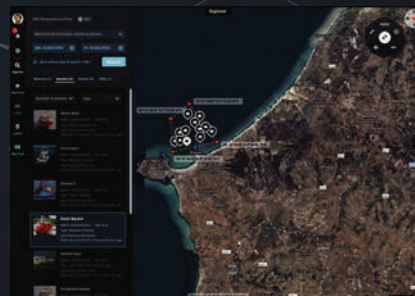
DURING MISSION



Decision-makers will be able to plan missions more effectively by easily including parameters such as areas of interest, objectives, and targets.

FIND VESSELS & PAST AND LIVE DATA

- **VIEW** specific vessel details
- **EXPLORE** past missions where vessels were identified, either on direct video surveillance or AIS track hit
- **REPLAY** missions and videos that have identified vessel-of-interest
- **CORRELATE** data across missions



POST MISSION



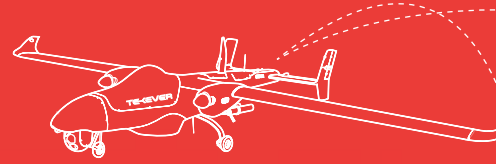
This will enable the end-user user to review the specific details of any mission, and to easily retrieve historical data necessary as evidence for prosecution.

REPLAY MISSIONS

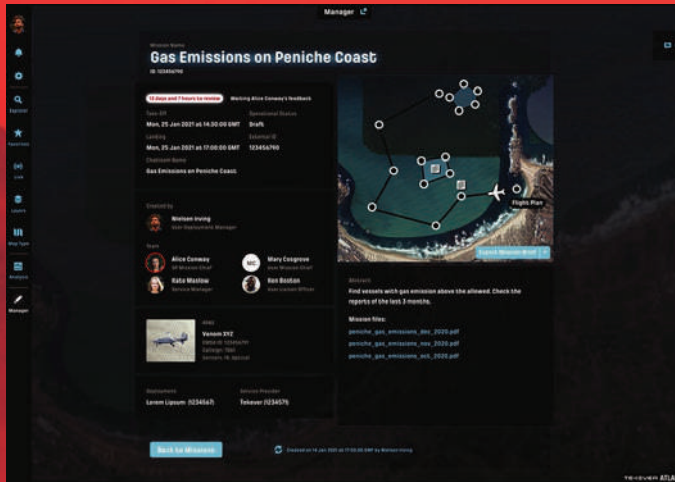
- **REVIEW** data from completed missions
- **SEARCH** by geographical area or by mission-specific parameters
- **REVIEW** geographical areas covered by operation
- **REPLAY** mission as if in real-time
- **ANNOTATE** results with additional data



ATLAS - MISSION ENHANCER



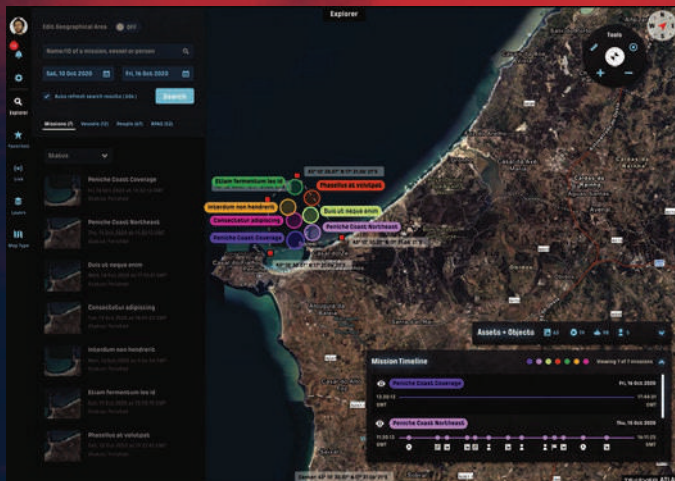
PREPARE MISSION



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

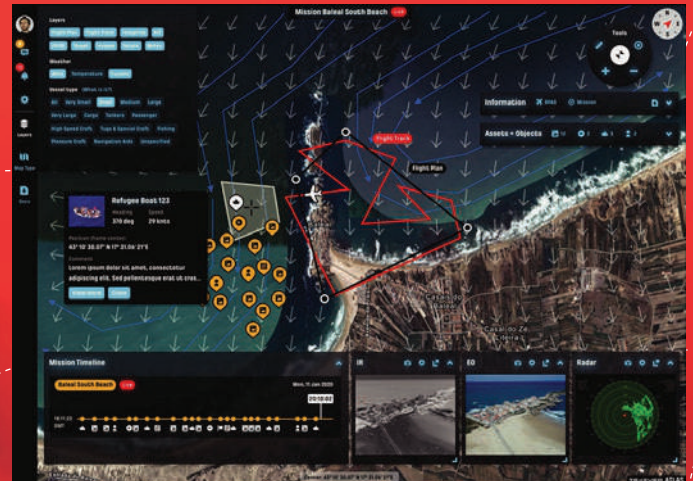


REVIEW DETAILED DATA FROM PAST MISSIONS



- **SEARCH** past missions
- **SEARCH** via geographical area or by mission parameters
- **REVIEW** areas missions covered by operations
- **REPLAY** missions as if real-time
- **ANNOTATE** results with additional data

FOLLOW LIVE - UAV MISSION ENHANCER ATLAS



- **FOLLOW** live video feed and meta data from a browser
- **SENSOR VIDEO**, Flight plan, Flight path, Object identified
- **ADDITIONAL** Layers supported (wind, currents)
- **JUMP** to any point in the mission timeline
- **NO SOFTWARE** installation

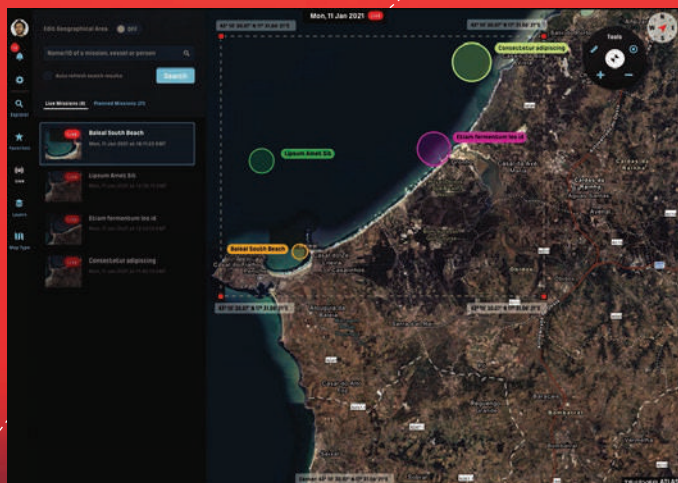


FOLLOW IN REAL-TIME



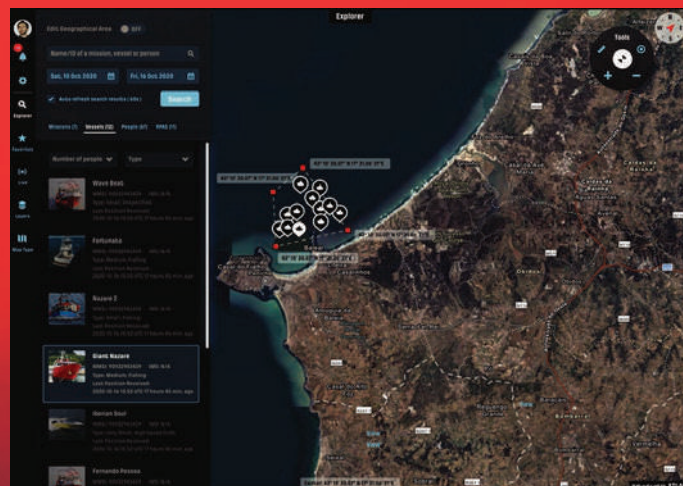
- **FOLLOW** live video feed and meta data from a browser; see video from sensor, flight plan, flight path, objects identified.
- **ADDITIONAL LAYERS INCORPORATED:** Wind & Currents
- **NO SOFTWARE** installation required

SEARCH PARAMETERS IN REAL-TIME



- **REVIEW** ongoing missions in real-time
- **SEARCH** by geographical area or mission-specific parameters
- **REVIEW** the areas covered by the sensors

SEARCH VESSELS



- **FIND VESSELS** using "mission search" tool
- **CROSS-REFERENCE** to existing databases and AIS targets
- **FIND** pictographic evidence during live missions or historical records



MANAGE approval process with customisable workflow



FOLLOW LIVE - UAV mission ATLAS



REPLAY ANYWHERE - Tekever Atlas



SEARCH VESSELS - Tekever Atlas