

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 &  
RETRIEVAL

ITAR  
FREE

LOWEST  
TOTAL COST  
OWNERSHIP



We do the technology  
You do the mission

Together, **TEKEVER**



info@tekever.com  
www.tekever.com

# 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.

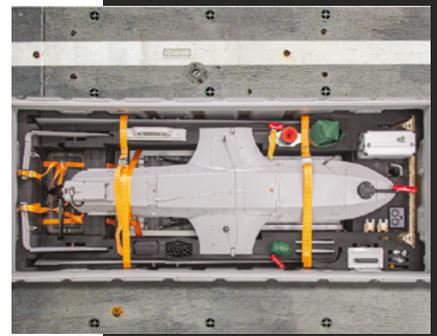
- Real time collection, processing and transmission of high definition video from multiple EO and IR sensors.
- 16h Endurance combined with LOS communications range of up to 100km, ideal for vessel-based maritime missions.
- Optional BLOS datalink available, allowing for extended range operations
- Wide 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 using VTOL or 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.

## AR3

	Wingspan	3.5 m
	Length	1.7 m
	MTOW	25 kg
	Payload Capacity	4 kg
	Flight Endurance	16 hours
	Service Ceiling	3,600 m AMSL
	Comms Range	100 km
	Cruise Speed	85 km/h
	GCS	Common GCS with AR4, AR3 and AR5 Supports multiple operators and aircraft
	Launch Method	VTOL or Catapult
	Recovery Method	VTOL or Parachute/Net/Belly/Water

## PAYLOAD OPTIONS

- Multiple options for EO sensors
- Multiple options for near-infrared to LWIR sensors
- Laser Illuminator
- Communication relay systems



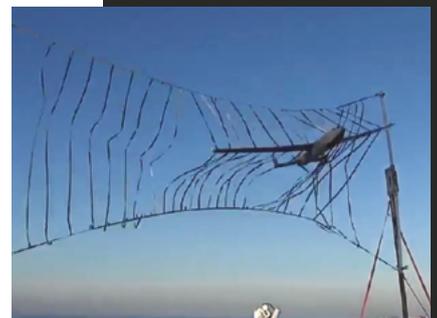
Compact.



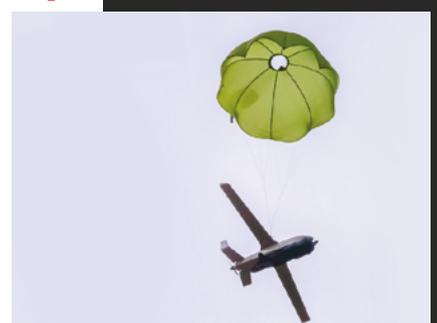
Full Package.



Launch.



Net Recovery.



Parachute Recovery.

TEKEVER

# 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
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	Comms Range	100 km
	Cruise Speed	85 km/h
	GCS	Common GCS with AR4, AR3 and AR5 Supports multiple operators and aircraft
	Launch Method	VTOL or Catapult
	Recovery Method	VTOL or Parachute/Net/Belly/Water

## PAYLOAD OPTIONS

- Multiple options for EO sensors
- Multiple options for near-infrared to LWIR sensors
- Laser illuminators
- Communication relay systems



VTOL and fixed wing system - 2 in 1.



5 minutes from case to airborne



Integrated synthetic aperture radar.

**TEKEVER**

# AR4 ELEVATING YOUR AWARENESS

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

- ★ ISTAR Missions
- 🎯 Wide Area Surveillance
- 🔥 Environmental Surveillance
- 🏠 Infrastructure Monitoring



**2**  
MINUTE  
ASSEMBLY

**PROVEN**  
FLEXIBILITY

**LOWEST**  
TOTAL COST  
OWNERSHIP

**ITAR**  
FREE

**MAN**  
PACKABLE



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You do the mission

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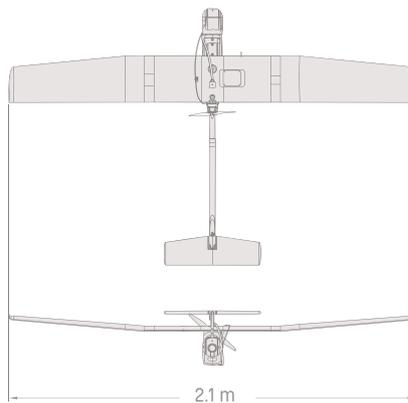
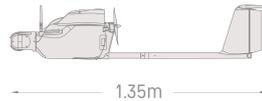
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# AR4

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.

### TEKEVER AR4 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



Complete AR4 components



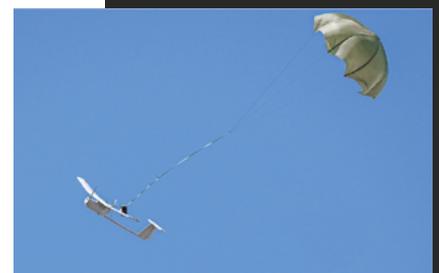
Assembly



Ready to deploy



Deployment



Retrieval by parachute

## AR4 - MODEL OVERVIEW

	Dimensions	2.1 x 1.35 m
	Payload Capacity	1 kg
	Cruise Speed	54 km/h
	Recovery	Parachute or Belly
	Comms Range	20 km
	Endurance	2 h
	Launch	Hand Launched

## PAYLOAD OPTIONS

- Multiple options for E0 sensors
- Multiple near-infrared to LWIR sensors
- Communications Relay systems

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# 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**



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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

## AT THE SERVICE OF:



**F** Automatic Take-off & Landing.



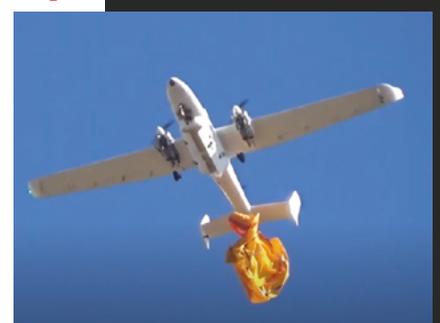
**F** Satcom enabled.



**F** Flexible payload options.



**F** Unprepared airstrip.

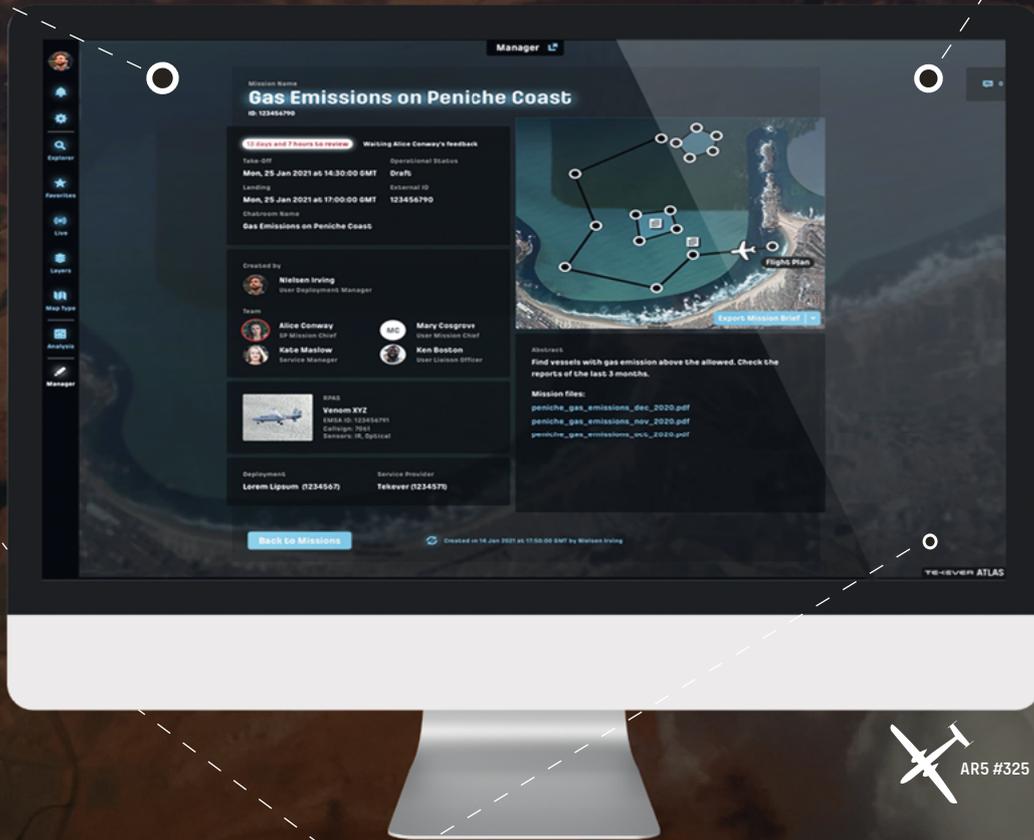


**F** Life-raft drop capability.



# 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.



- NO SOFTWARE installation
- REAL TIME DATA
- NOT DEPENDENT on an internet CONNECTION
- REPLAY MISSION capability



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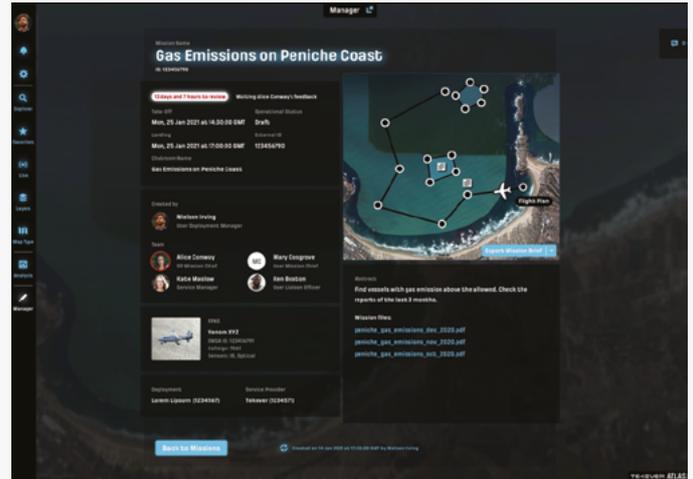


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# ATLAS

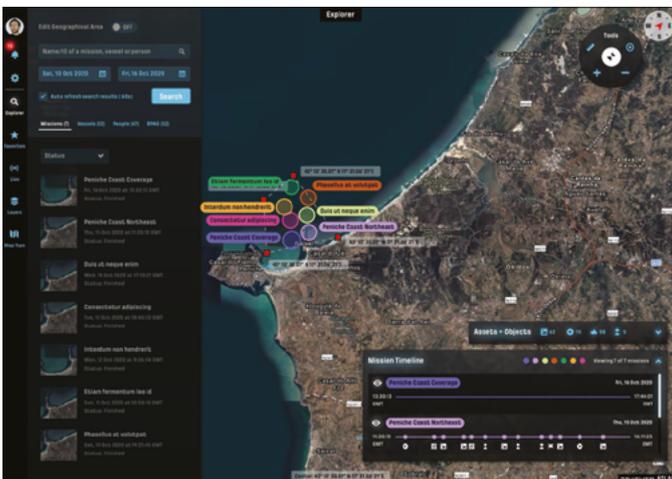
## MISSION ENHANCER



### PREPARE MISSION

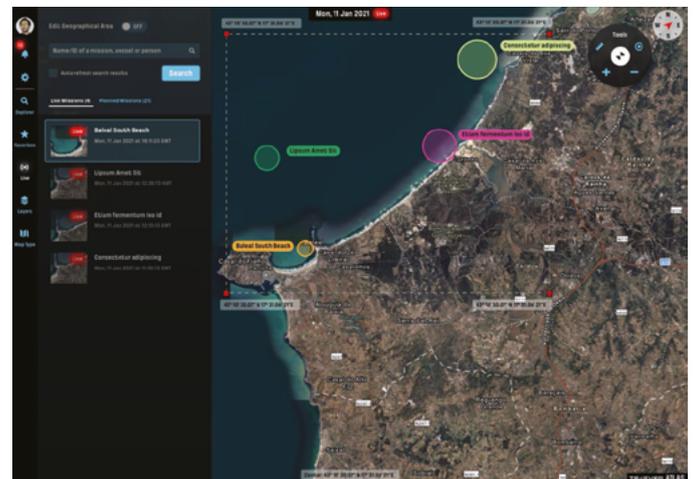
- CREATE mission briefs
- DEFINE OBJECTIVES on map
- CHOOSE aircraft
- DEFINE MISSION parameters
- MANAGE approval process with customisable workflow

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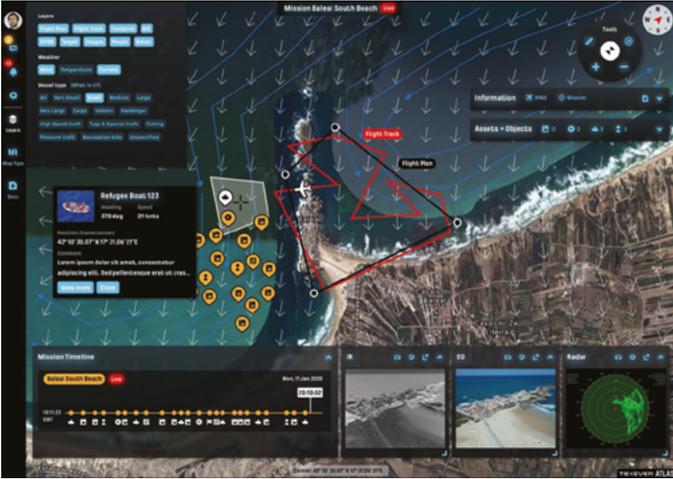
### REVIEW DETAILED DATA FROM PAST MISSIONS

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



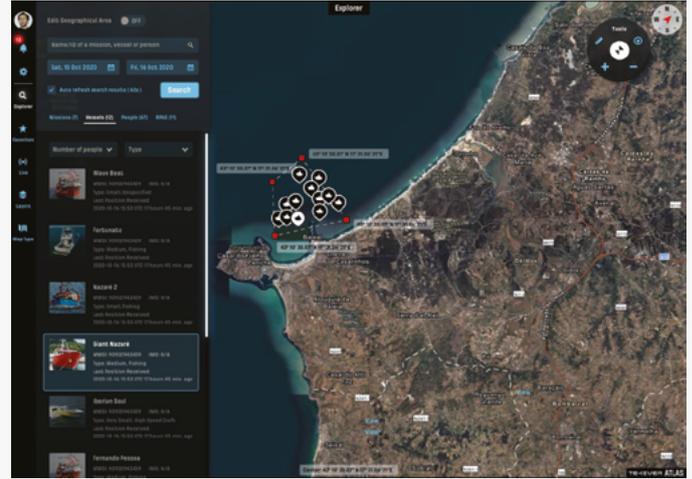
### SEARCH PARAMETERS IN REAL-TIME

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



## FOLLOW LIVE UAV MISSION ENHANCER ATLAS

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



## 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

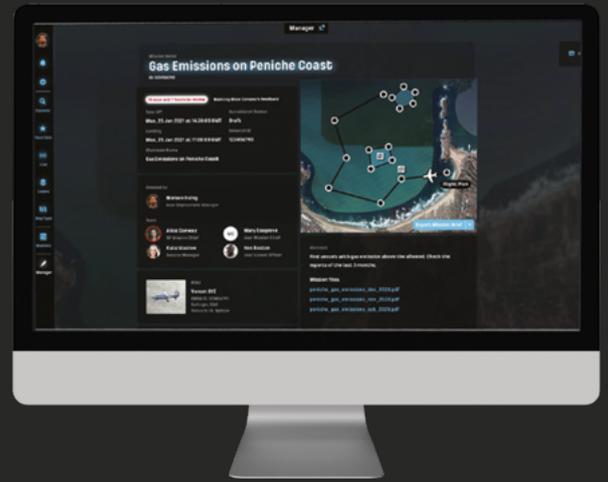


SEARCH VESSELS  
TEKEVER ATLAS

# TEKEVER

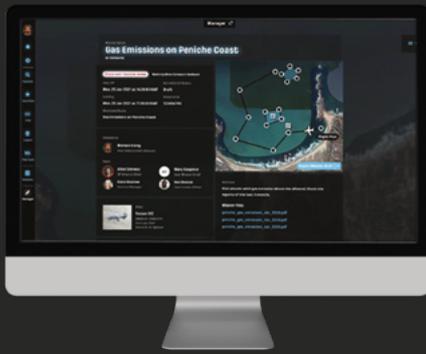
# ATLAS

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 assures 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 and, 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

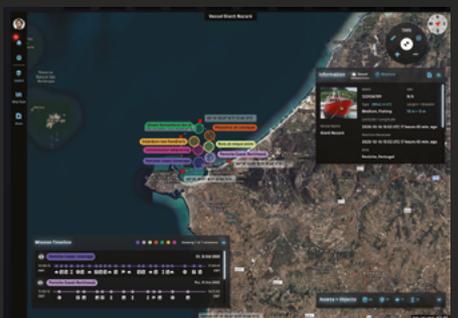
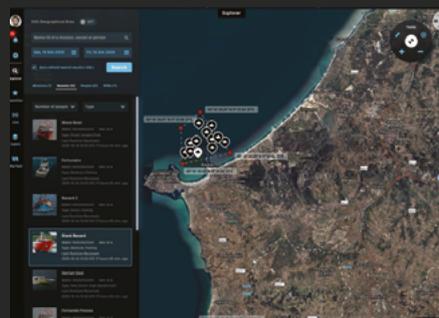
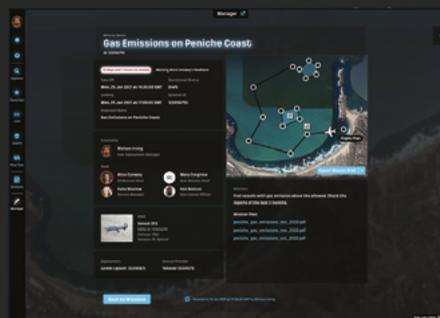
## POST MISSION



Analytics tools will enable the end-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



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