ATLAS

AtlasNEST

Autonomous docking station

ATLASDYNAMICS.EU

OIL SPILL webinar 18 November 2021
State-of-the-art Technologies and OSR in the Baltic Sea Region

OIL SPILL

Interreg Baltic Sea Region

EUROPEAN UNION

EUROPEAN REGIONAL DEVELOPMENT FUND

Founded in the EU in 2015 by aerospace and robotics professionals with a vision to disrupt the UAV sphere, Atlas utilises its proprietary and cost-effective technology to provide defense and security users with valuable data through advanced, highly robust and easy-to-use products. Atlas develops and manufactures Unmanned Aerial Systems (UAS) for professional use cases, which solve the biggest problem on the aerospace market today – high-end aerospace technology in scale; we deliver new, higher-level capabilities through an affordable and cost-efficient business model. Atlas products are designed and manufactured in the E.U.

Our competitive advantage comes from our team of experts, as well as our proficiency, comprehension, and expertise in the aerospace field. We are a hardworking and passionate team which is excited to showcase our products to the world; products that redefine the way in which UAVs are used on the professional market and maximise a full potential of a drone.

Riga Latvia, Bristol UK, Maryland U.S.A.

Customers

LATVIAN MOD: AIR FORCE

LATVIAN MOD: NATIONAL GUARD

DUTCH MOD: NAVY

DUTCH MOD: ARMY

NORWAY: COASTGUARD

SINGAPORE MOD: NAVY

LATVIAN MOD: MILITARY POLICE

LATVIAN MOD: MARINES

DUTCH MOD: AIR FORCE

LUXEMBOURG MOD: ARMY

NORWAY: NPAID

SINGAPORE MOD: AIR FORCE

Manufacturing

Atlas is using Lean and Agile Manufacture Strategy with Pre-assembly and Sub-assembly Kitting Processes. Our Product Final Assembly is selected with an exact configuration that customer needs in the shortest time possible. Our tracking system helps to store all supply chain information with test results history and prove of conformity. Every single product is tested individually and as a part of the customer kit to guarantee 100% reliability and quality. Atlas is capable to produce up to 200 UAV's a month!

UAV production

Clean room for payload production

AtlasNEST production

Atlas Products

Atlas**NEST**

Atlas**PRO**

Atlas**STATION**

VISOR FF

VISOR NX

KALOS 35

ARGUS M10

Atlas**RELAY**

AtlasNEST

The most simple in use and the most cost-effective autonomous docking station

No human factor

Low Maintanance

Autonomous take-off and landing

Autonomous Battery swapping

24/7 Readiness

Built-in AI

Built-in precision landing system

Weather resistant

Climate Control System

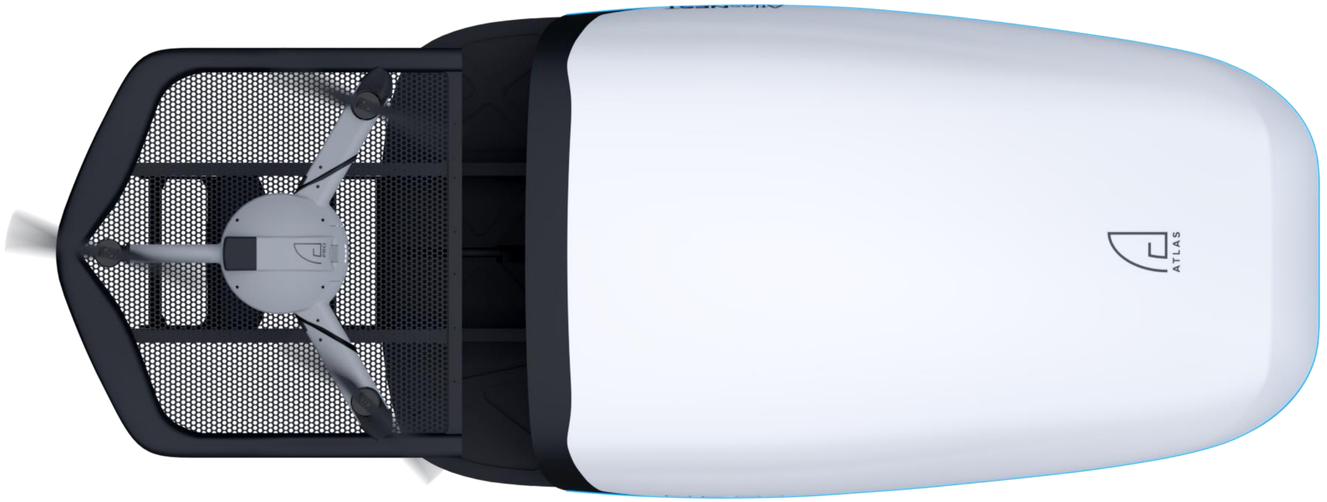
Easy to integrate

Made in European Union

Difficult technology made simple and affordable

Autonomous Docking Station

ATLAS autonomous system is attributable to the AtlasNEST and AtlasPRO features which ensures work being completed with no human interference.



Autonomous
take-off and landing

Built-in precision
landing system

Built-in
AI

Autonomous
Battery swapping

AtlasNEST beats the competition

Fully **autonomous** system	●	In need of **an operator**
Takes up to **3 min** to deploy	●	Takes up to **an hour** to deploy
Easily **portable**	●	Requires **a lot of space**
4200 €/month	●	200 000 €/month
Maintenance 3 times a year	●	Maintenance monthly
Easily **integrable**	●	**Not** possible to integrate

AtlasSTATION

Has been designed with the simplicity of an operation as the core guideline. You don’t need to be a pilot, this aircraft is designed to be used by a person with no experience. A seamless user experience is optimising our user’s ability to learn and fully utilise all of the AtlasPRO capabilities in just a few hour time, enabling more users in the team to learn how to operate our drones.

9.7” touch screen control

Free flight mode opertations

Long lasting battery life

1080p stream up to 10km

Meshing capabilities

AtlasRELAY

The AtlasRELAY radio module has several functionalities that increase capabilities of AtlasPRO. AtlasRELAY is designed for a heavy work outdoors, as it has a compact size, it is impact resistant and it has eight hours of battery life.

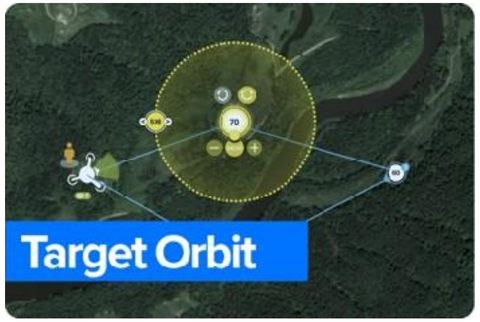
- Fully Rugged Body
- Fast Battery Charging
- Long Lasting Battery
- 2.2GHz-2.7GHz
- Compact Lightweight Design
- USB-C for external devices and data transfer
- Ethernet
- Wifi

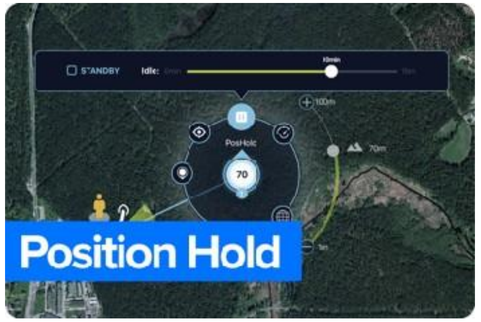
OBSTACLE IS CLOSE
CLOSE
The obstacle is detected at a critical distance (less than 8 m). Aircraft will pause now.

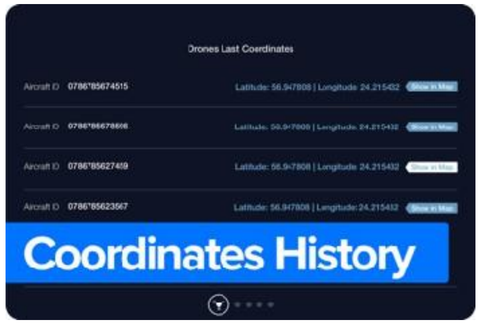
STANAG

The Stanag format- is a standard format that allows you to transfer data via video stream and can be used by any 3rd party software to get quick information from the field

Autonomous missions made simple







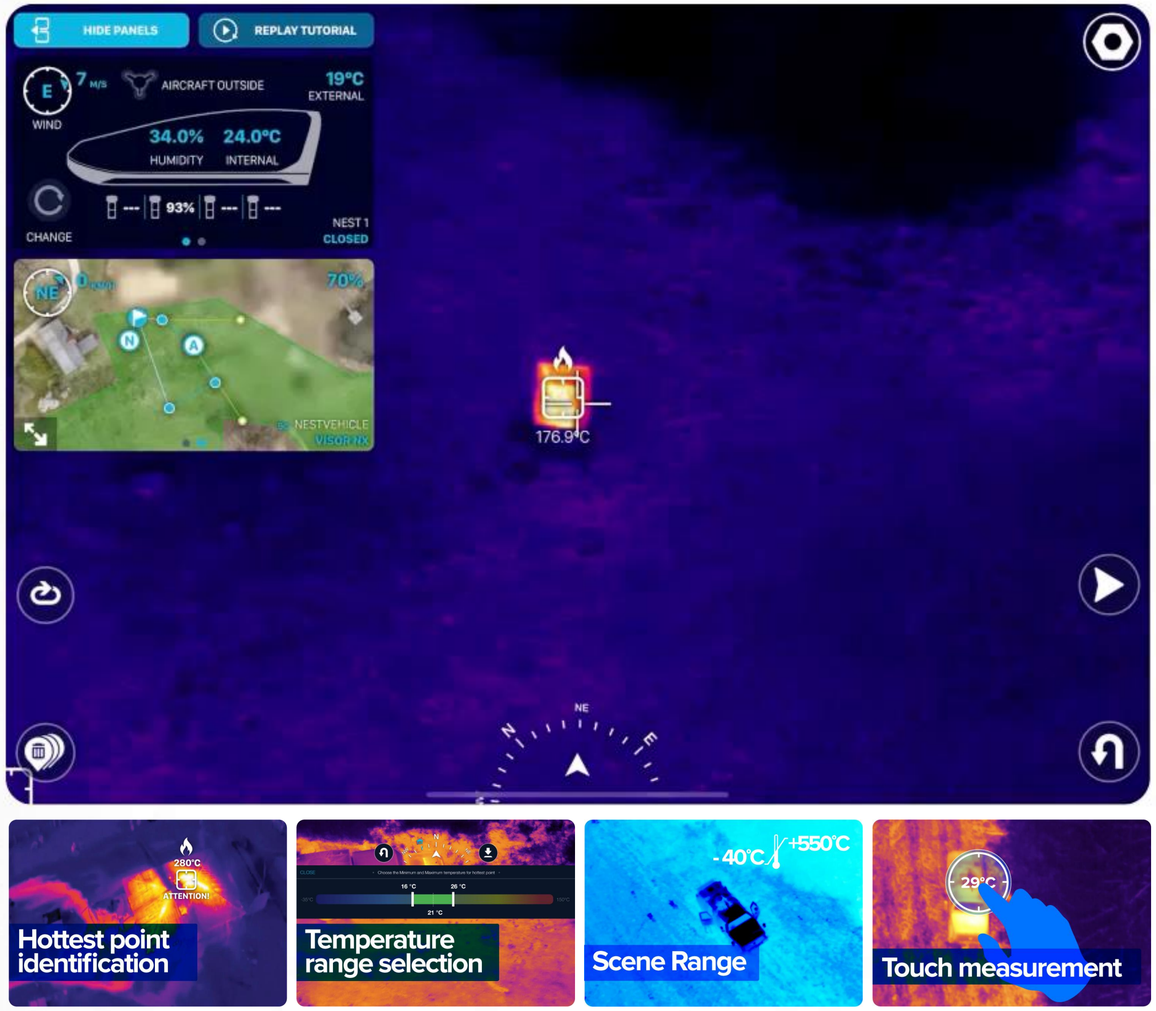
One box, one system

AtlasNEST system is designed not only for enterprise, but for all sectors. The docking station provides fully autonomous 24/7 readiness for infrastructure inspections, emergency situations and security missions.

EMERGENCY

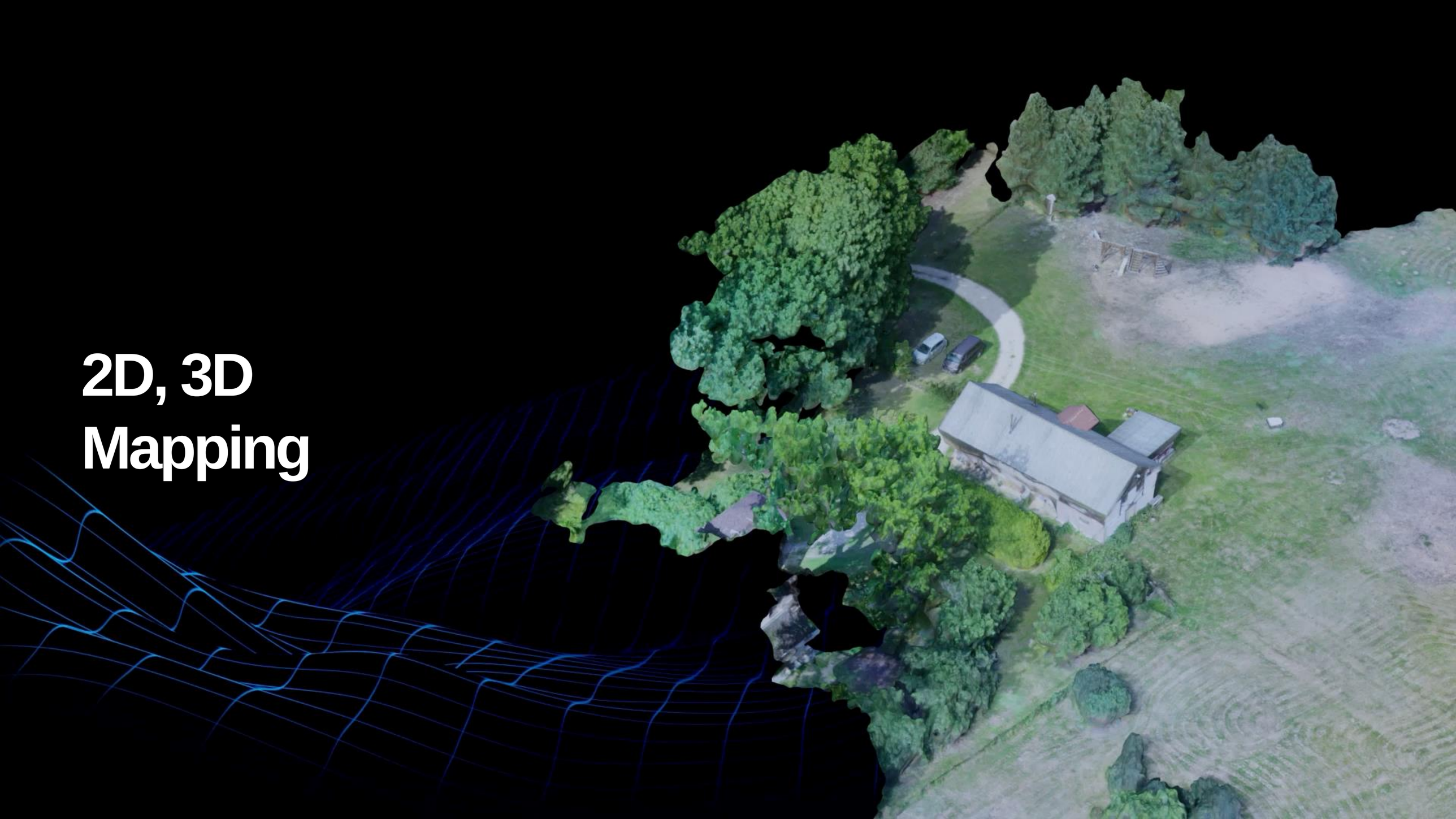
A drone as a first responder livestreams from the site of the incident and reduces the risk of wrong decision making. Improving situational awareness by detecting lost people or a source of fire ATLAS products help *Search & Rescue* teams and fire fighters gather needed data and plan the mission with maximum efficiency, while minimising danger to life.

Thermal inspection and fire detection



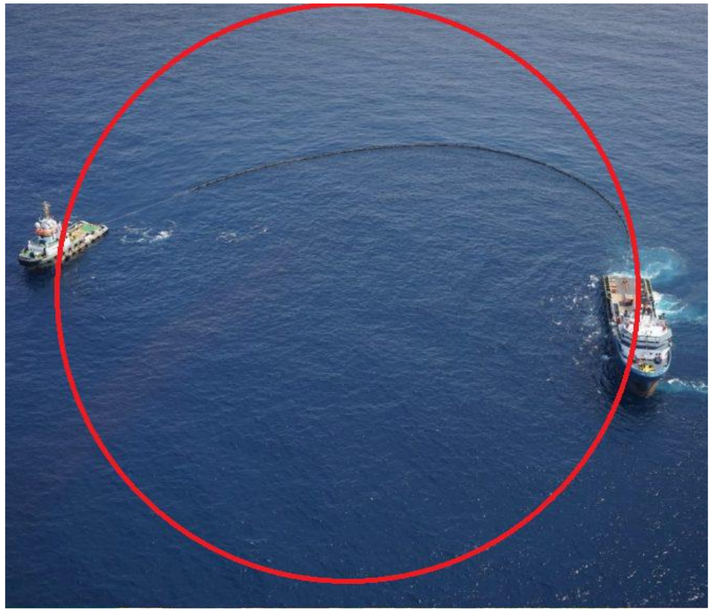
TOTALLY 20 VOLUNTEERS WORKED
TOGETHER TO HELP THIS EVENT

2D, 3D Mapping



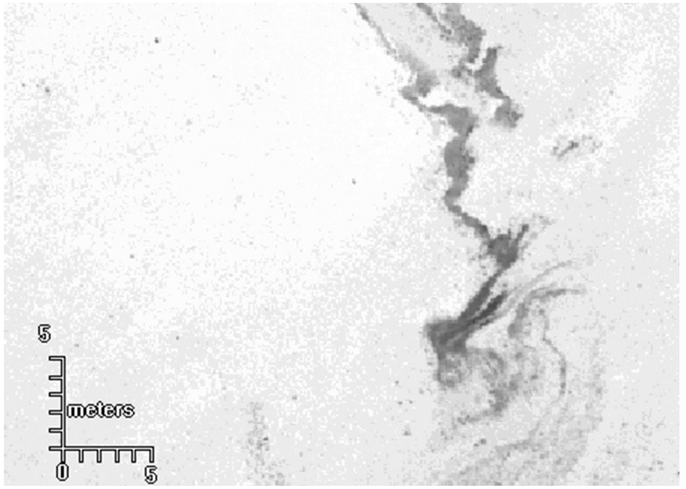
AI for people and car recognition

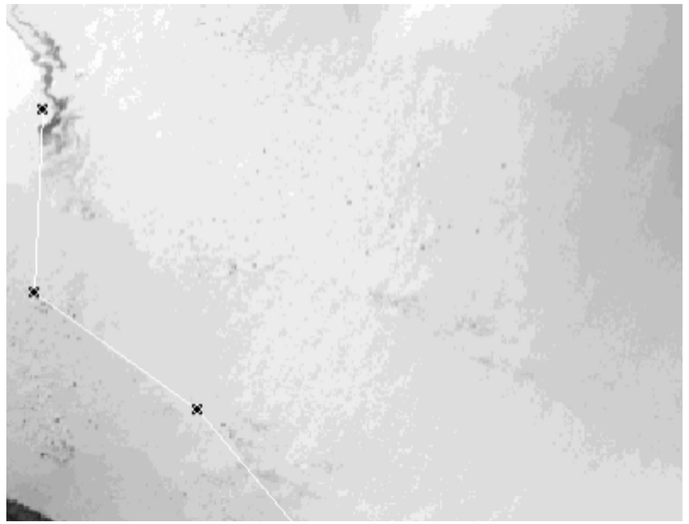
REAL-TIME MONITORING OF WATER POLLUTION

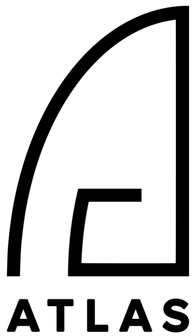


EASY SCALABLE SYSTEM

- ✓ 70% faster problem detection. Less harmful environmental damage
- ✓ The oil can be contained faster, clean-up process more efficient with less cost
- ✓ Less economical damage and clear indication of the polluter







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