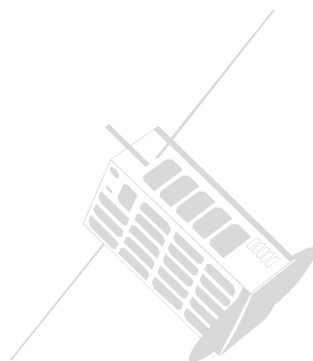


# *Unseenlabs*

World leader in space-based RF detection

Detecting and geolocating  
dark vessels at any time  
& anywhere at sea



## OUR COMPANY



### MARITIME DATA PROVIDER

Created in 2015 - Based in France


### PROVEN SPACE GRADE TECHNOLOGIES

dedicated to  
**Maritime Domain Awareness**



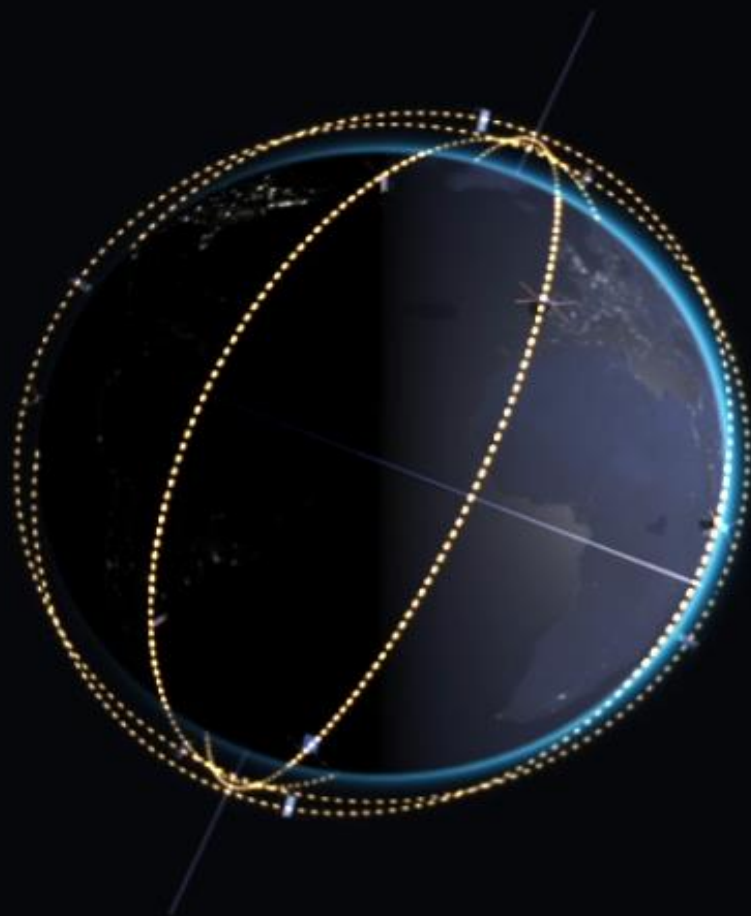
### OUR SERVICES

We operate a **signal detection** and **geolocation** service of a wide range of Radio Frequency transmitters with our unique **mono-satellite** technology



We serve **customers worldwide** with **actionable data and solutions** to help them fight against illegal or undeclared activities at sea

# Q1 2023 satellite Constellation



## # of satellites

8 monosatellites + other new launches planned by the end of 2023



## Satellite orbit

LEO, approx. 500 Km  
1 Satellite in inclined orbit (45°)  
7 satellites in SSO (Sun Synchronous Orbit)



## Satellite speed

Around 25,000 Km/h



## Ground coverage

Acquisition size > 500 km x 500 km



## Accuracy

Geopositional accuracy:  
5\* -15-30 kms (high-medium-low)  
\* up to the kilometer

# Maritime surveillance: still many challenges to address



## MARITIME TRAFFIC

**90%**

of goods are transported by sea

**74,500+**

vessels in the world trading fleet  
(> 100 GT) in 2022

## IUU FISHING

**15%~20%**

of fish comes from **illegal fishing**

Between 11 & 26 million tons of fish  
each year



**80% of the time, the position of ships is unknown or inaccurate**

## PIRACY

**One major incident recorded everyday**  
worldwide is related to piracy

In 2021, the global cost of piracy was estimated at \$24B

## POLLUTION

**Only 1%**

of maritime polluters degassing at sea  
**are prosecuted**






## The new operational reference for Maritime Domain Awareness

> see the unseen



	 RF	AIS	OPTICAL IMAGERY	SAR
UNCOOPERATIVE VESSELS DETECTION	✓	✗	✓	✓
COVERED AREA OF INTEREST	VERY LARGE	—	SMALL	MEDIUM
UNIQUE & UNFALSIFIABLE SIGNATURE	✓	✗	UNCERTAIN	✗
EASE OF DATA IMPLEMENTATION	HIGH	HIGH	MEDIUM	LOW
ALL WEATHER CONDITIONS	✓	✓	✗	✓
DATA ACCESSIBILITY	✓	✓	✓	✓

A new layer of detection to **better protect, alert and secure**

**OUR MARKETS**



Fishing



Civil  
Governments



Maritime  
Insurers



Shipowners



Offshore  
Energy



Business  
Intelligence



Environment

# Unseenlabs' product key benefits



Detection of radio frequencies  
emitted by a wide range of vessels at sea

Precision  
to the kilometer

Lightweight and interpretable data  
No need of RF expertise



Complementary with existing  
maritime data and sensors

Unique digital signature  
applied to tracking



we are unseenlabs



Contact us

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