











MARPOL SURVEILLANCE

Complex

Expensive





YEARS At Sea

SASEMARSpanish Coast Guard





10 YEARS

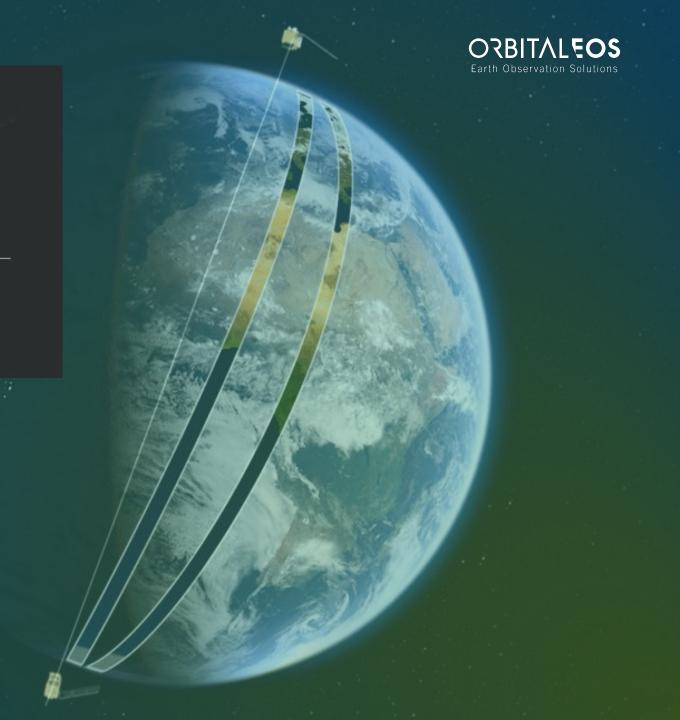
At Sea

SASEMARSpanish Coast Guard

SATELLITES

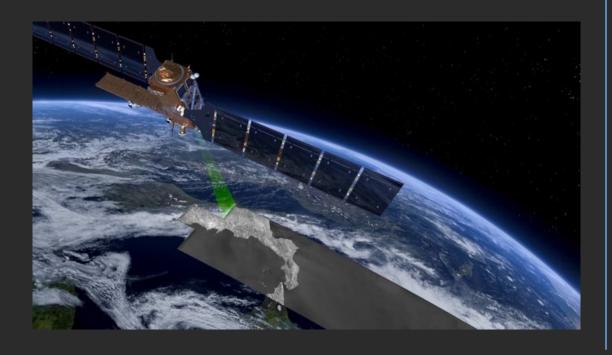
Our eyes in the space

Scan the earth several times a day

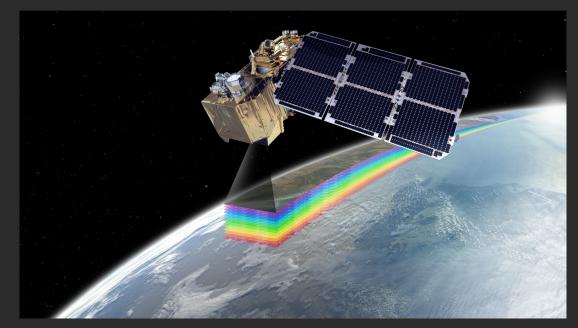




Radar Satellites



Optical Satellites



SATELLITE

Constellations

Terrasar-X

Earth-i

Radar + Optical





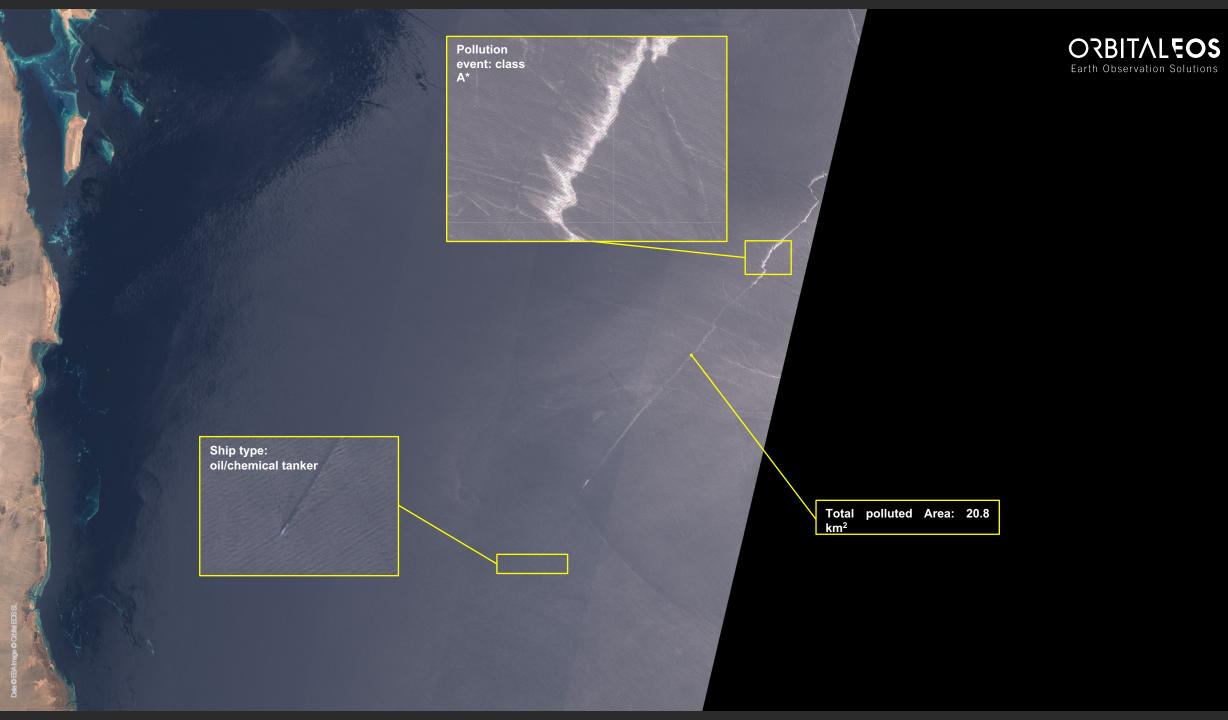
DATA Analytics

From data to Intelligence

AIS & Image Processing & AI



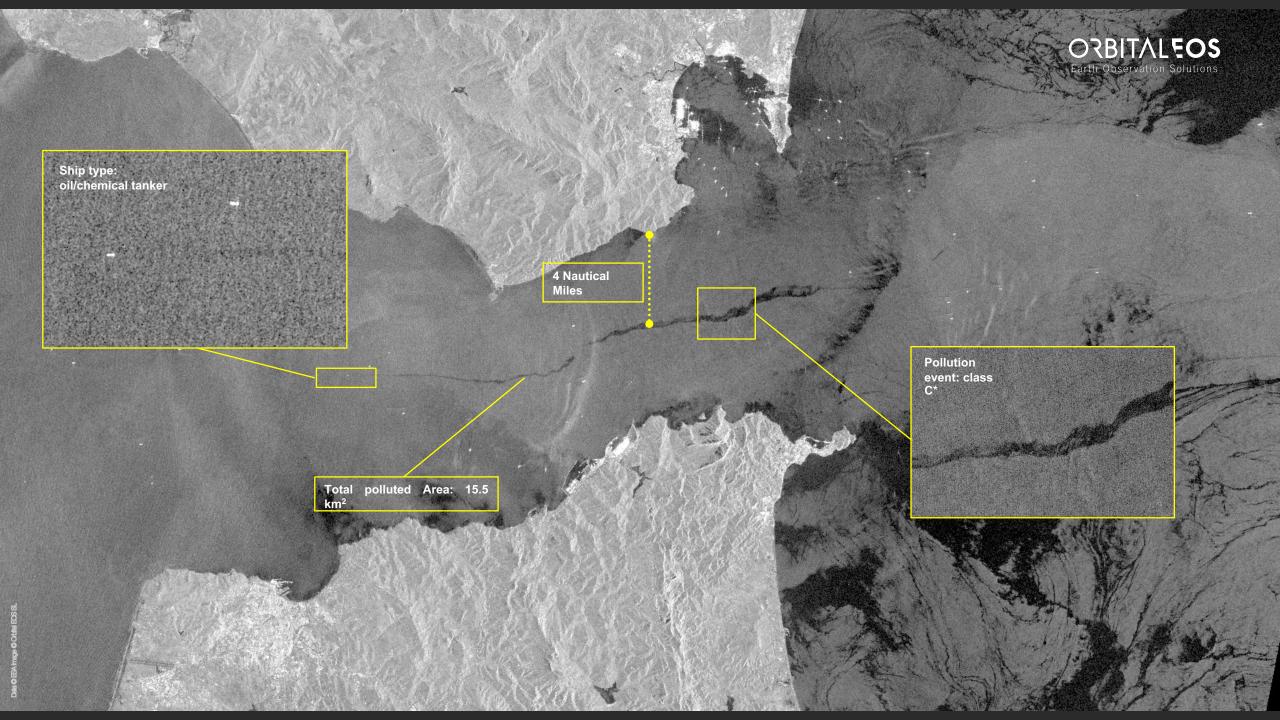






Pollution
event: class
A*

Ship type: oil/chemical tanker





Ship type:
oil/chemical tanker

Total polluted Area: 8.1 km²











Results

60 cases detected "red-handed" in 3 years

35%

Environmental Crime

20%

High Likelihood Environmental Crime

45%

Low Likelihood Environmental crime



Spill classification

Based on expert assessment

A

The spill is mineral oil (100 % conclusive)

B

The spill is most likely mineral oil

C

The spill is less likely mineral oil



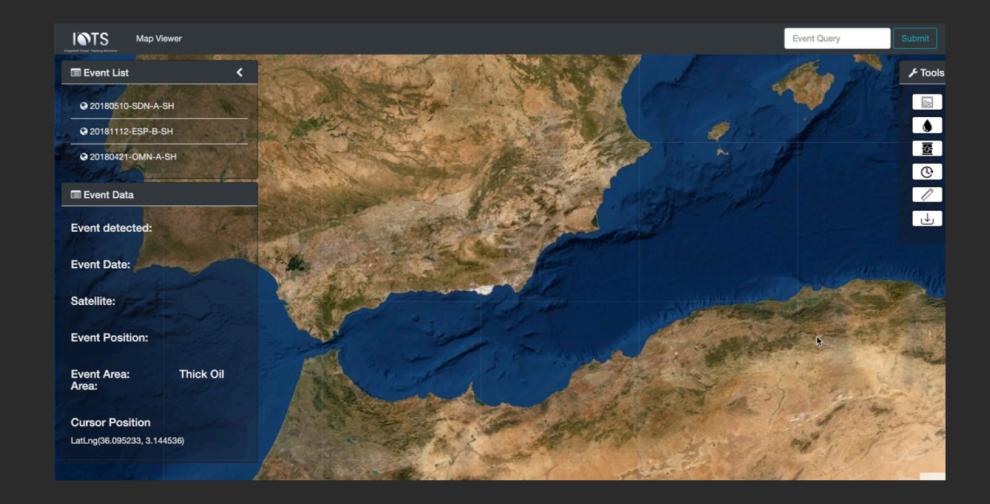
ADVANTAGES

High Reliability (Team of experts)

40X cheaper than traditional tools (surveillance aircraft)

Geographical scalability (possibility of monitoring any place)





THANK YOU

Question?

Orbital EOS

Smart data, better decisions







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