

ONE SOLUTION - TWO SEGMENTS



Offshore infrastructure

Protect electricity & telecom cables and oil & gas pipelines from damage from anchors or fishing gear

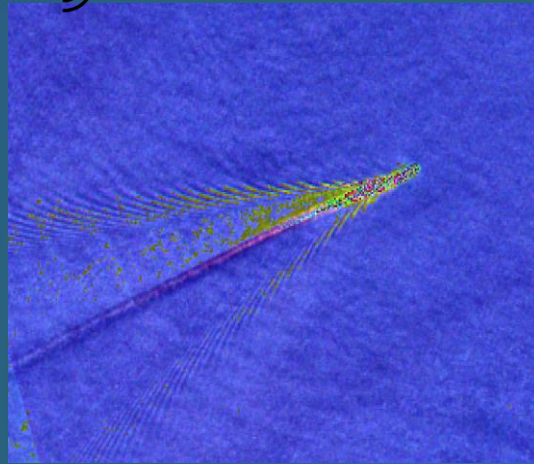


Fisheries

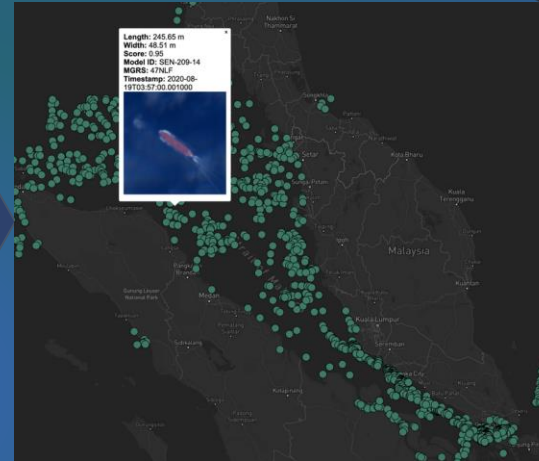
Support Coast guards, coastal administrations, NGO's and fishery directorates

IMPROVED DETECTION & TRACKING

Automated ship detection algorithms on SAR and optical satellite imagery allow the monitoring of large zones.



AIS cross-referencing and vessel databases are used to analyze high-risk behavior.



RESPONSE - PROOF FOR PROSECUTION

Real-time alerts to provide a fast directed response of patrol vessels and drones with video streaming over Inmarsat.



IMPACT

- 20% of all fish are caught illegally
- Direct cost of € 21B annually (FAO, 2018)
- Irreversible effects on fish stocks, the ecosystem and local communities
- Multimillion euro damage to submarine cables

DEVELOPMENT

Parsec accelerator project, € 43k Blockpool accelerator project using Distributed Ledger Technology, € 30k

Adapt detection algorithm For very high resolution optical satellite imagery

AIS cross-referencing with vessel databases in DLT. Untampered data sharing.

Integration of vessels in virtual drone control tower: oversight of Ops, legal flying, tracking, logging.

August 2021 – Montrose port, North Sea energy industry hub

Demonstration project: SAT & AIS vessel detection and drone response.

TEAM

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Partners

Traction with governments and support from industry.
Letters of interest from:

