



An advanced surveillance platform to improve the **EU**ropean **M**ulti **A**uthority border **S**ecurity efficiency and cooperation

## COASTAL GROUND AND LOW ALTITUDE SENSING SYSTEMS

- Real-time geo-referenced detections for ships, vessels, persons, and vehicles
- Focus on anomaly detection
- Complements detection & tracking capabilities of the other sensors



## HIGH ALTITUDE SENSING SYSTEMS

- 3D-LiDAR sensors on the High-Altitude Platform (Stratobus) for reliable geo-referenced vessel detections through change detection in marine environments
- Not previously used for maritime surveillance



## SATELLITE BASED SYSTEMS

- Mix of satellite infrastructures for monitoring marine activities and environmental phenomena
- Event detection through cutting-edge AI/ML software to enable spatial and temporal analysis



## UAVS

- Activated in response to abnormal events
- Airborne camera systems focus on ships, small vessels and persons at sea
- Generate geo-referenced detection events
- Verifying and confirming events while patrolling targeted sea areas



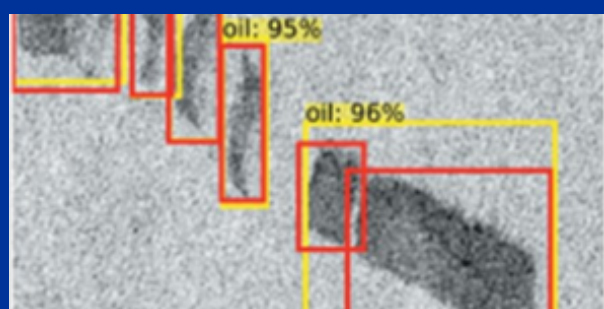
## PUC 1

- Maritime Border Control:
- Detection of trafficking and other illegal activities



## PUC 2(A)

- Search & Rescue Operations



## PUC 2(B)

- Maritime structures and oil spills surveillance & monitoring



## PUC 3

- Land border control: illegal activities outside of business contingency plans



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