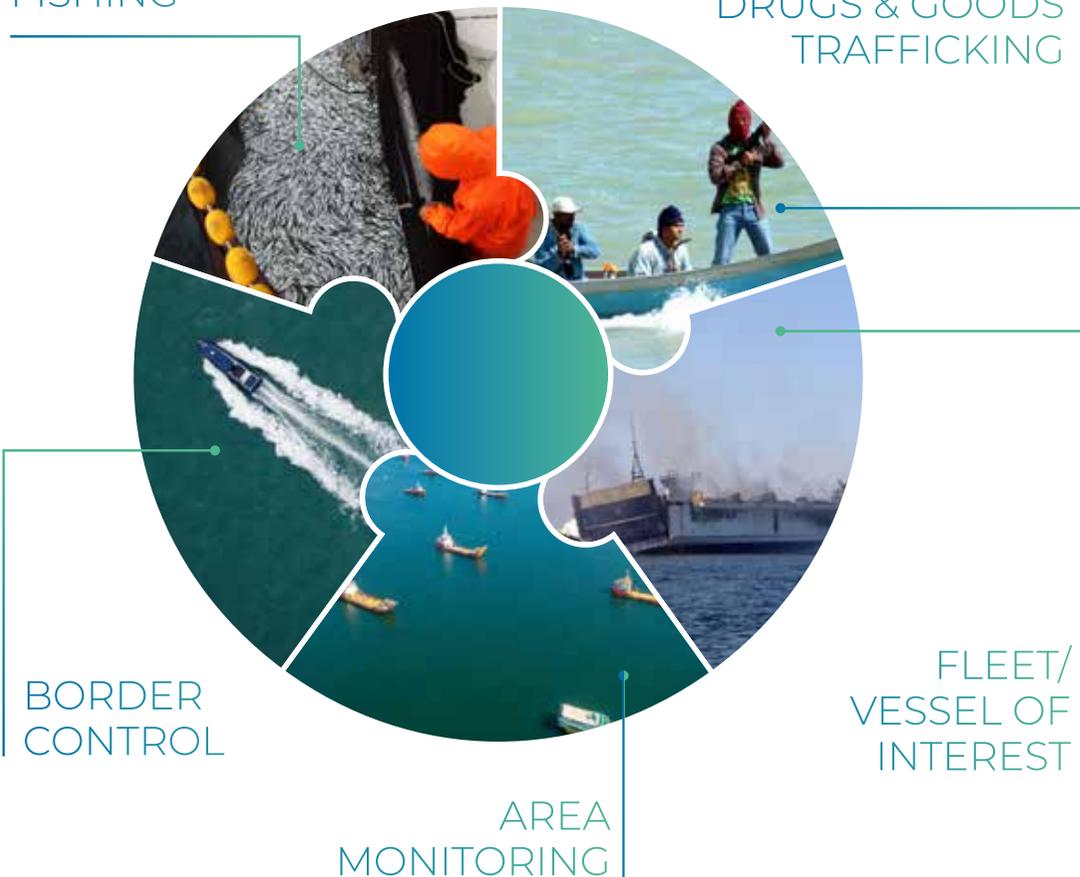# **M**ARITIME **A**WARENESS **S**YSTEM

The CLS cutting-edge solution
to monitor what's happening at sea

Maritime **A**wareness **S**ystem, the complete and real-time picture of what's happening at sea

ILLEGAL
FISHING

SMUGGLING,
DRUGS & GOODS
TRAFFICKING

FLEET/
VESSEL OF
INTEREST

BORDER
CONTROL

AREA
MONITORING

MAS harnesses cutting–edge **satellite data fusion** & **in-depth analysis.**
With MAS get the full picture and make the best decision on the right
data/information.

CLS' Maritime Awareness System, a unique state-of-the-art platform for maritime intelligence

Maritime Awareness

More and more data are available in the maritime domain, making it possible to monitor large and remote areas. But without the proper tools to extract the information that matters, sheer quantities of data are frightening, overwhelming - and unusable.

Actionable Intelligence

Thanks to its brand new MAS platform, CLS gives you a key tool to extract actionable intelligence from large quantities of data at a glance.

Big Data & Machine Learning

CLS' Maritime Awareness System relies on big data, allowing you to receive, store, process and query in real-time huge volumes of different types of data (AIS, SAT-AIS, LRIT, VMS, SAR and optical imagery or ship information). These data are the basis for performing real-time or historical surveillance on an area, fleet, or vessel of interest - and for raising alerts upon events or specific behaviours.

30 Years Experience

Based on 30 years experience working with the maritime industry, CLS developed algorithms to perform automated detection of ship's behaviour and to ensure integrity and quality of data.

MAS, a Trusted Solution

MAS is a trusted solution, helping those who need the right information at the right time for the best decision with an unquestioned level of security & reliability.

CLS
COLLECTE LOCALISATION SATELLITES

MONITORING & ANALYSIS
Data fusion & in-depth analysis towards a complete maritime picture & actionable intelligence

Designed in close collaboration with maritime authorities, MAS gives you on real-time basis, the insights that matter.

MULTISOURCE DATA

Geopositioning data
(AIS, SAR & Optical Imagery, LRIT, VMS, costal radar)

Environmental data
(Metocean data, geofencing / EEZ, MPA, MSP)

Additional data
(Vessel data bases, sanction lists)

DATA FUSION & PROCESSING

Automated behavioral analysis

Machine learning

BIG DATA technologies

Web-based interface

MONITORING & ANALYSIS

Live monitoring

Surveillance alert

Historical screening

Reports & data export

CLS
COLLECTE LOCALISATION SATELLITES

CLS

CLS (Collecte Localisation Satellites) is a worldwide company and has been a pioneer provider of monitoring and surveillance solutions for the Earth since 1986.
Our mission is to provide innovative space-based solutions to understand and protect our planet and to manage its resources sustainably. CLS employs 720 people.

30
million positions processed each day

7/24/365
operational data center

120 engineers, data scientists, Big Data specialists, maritime analysts

WORLDWIDE NETWORK

26
premises

on **5**
continents

CLS, YOUR DAILY PARTNER FOR MARITIME SURVEILLANCE

30+ years' expertise in maritime surveillance.

Worldwide fleet tracked everyday

100 flag administrations served

3 receiving ground stations for Earth Observation

130 satellites used
(Geopositionning: SAT-AIS, LRIT, VMS, Earth Observation: radar & Optical Imagery, Metocean)

+100 RPAS missions each year

+15 000 radar & optical images processed each year

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CLS
COLLECTE LOCALISATION SATELLITES