



MAS

Maritime Awareness System

The cutting-edge
in maritime intelligence

Maritime Awareness System: the complete and real-time picture to monitor maritime activity



MAS harnesses cutting edge satellite imagery and sensor data with in-depth analysis to provide an unparalleled maritime picture.

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 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

Our Maritime Awareness System exploits and processes Big Data allowing you to receive, store and query, in real-time huge volumes of multiple data sources (AIS, SAT-AIS, LRIT, VMS, SAR, optical imagery and vessel information).

These multiple data sets form the basis for performing real-time or historic surveillance on an area, fleet or vessel of interest, as well as creating alerts for specific events or vessel behavior.

30 Years Experience

Based on 30 years experience working with the maritime industry, CLS developed algorithms to perform automated detection of vessel behavior and ensuring integrity and quality of data.

A Trusted Solution

MAS is a trusted and proven solution helping government agencies to access and understand mission relevant information enabling time critical decision making with an unquestioned level of security and reliability.

MONITORING & ANALYSIS

Data fusion & in-depth analysis providing
a complete maritime picture
& actionable intelligence



MAS provides real-time insight and
actionable intelligence.



MULTISOURCE DATA

Geopositioning

*AIS, SAR & Optical Imagery,
LRIT, VMS, coastal radar*

Environmental

*Metocean, geofencing EEZ,
MPA, MSP*

Multiple vessel databases



DATA FUSION & PROCESSING

Automated
behavioral analysis

Machine learning

Big Data analytics

Web-based
interface



MONITORING & ANALYSIS

Live monitoring

Surveillance alerts

Historical screening

Reports & data export

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.

30 million positions processed each day

7/24/365 operational data center

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

WORLDWIDE NETWORK

30 locations
5 continents
900 people



CLS: YOUR TRUSTED PARTNER FOR MARITIME SURVEILLANCE

30+ years' expertise in maritime surveillance

Global fleet tracked daily

100 Flag Administrations

3 receiving ground stations for Earth Observation

+300 satellites

+250 UAV missions each year

+15,000 radar & optical images processed each year



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