

The use of RPAS (drones) to support emissions monitoring



CLS – Global Network

Fulcrum est. 1997

2008 LRIT Testing & DC

2017 Fulcrum joined forces with CLS



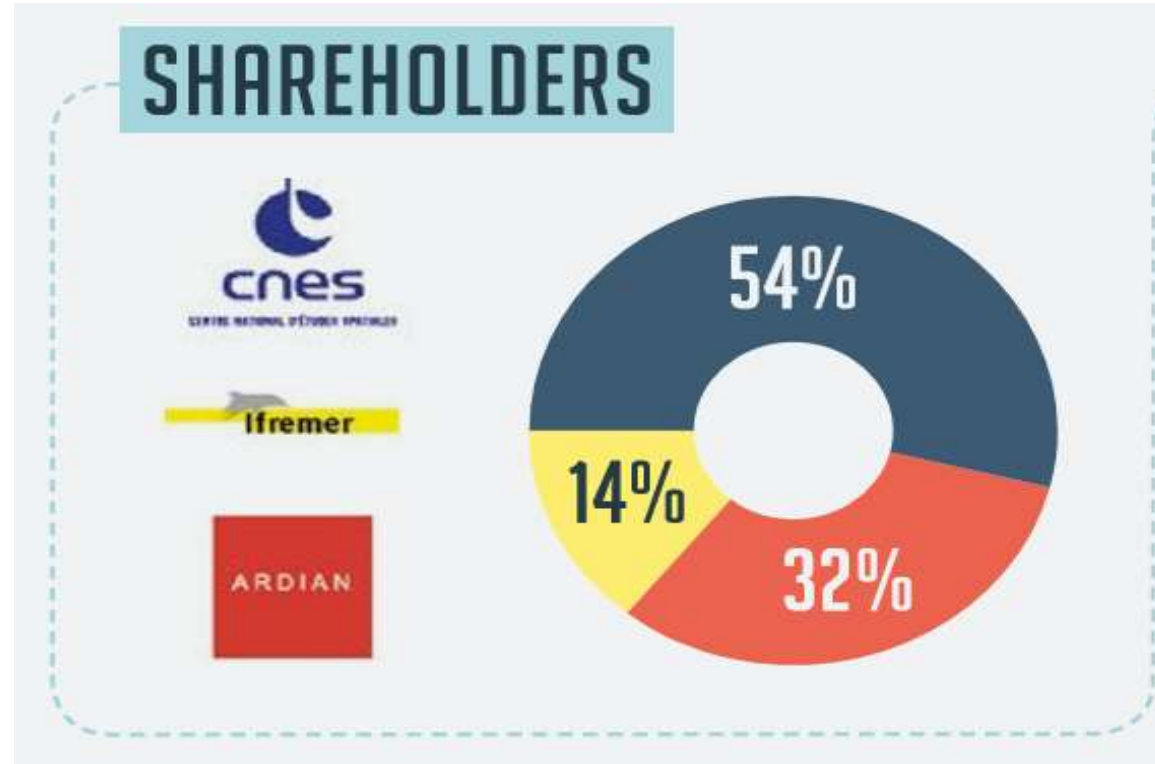
CLS – Key Facts

Formed in 1986 as a subsidiary of the French Space Agency.

Active in several sectors including:

Environmental Monitoring

Maritime Surveillance



Remotely Piloted Aircraft Systems & Data Centre

*Remote and secured web-user
interface to monitor critical
RPAS/UAV activities at sea*





RPAS DC Demo



Real-time measurement of vessels' emissions using ;

Drone aircraft (RPAS)

Sniffing sensors capable of measuring individual ship's sulphur emissions

Ship Emissions Monitoring – RPAS solution



EMSA

RPAS Exploitation Data Centre

Username

Password

Thank you.

Jonathan Fletcher
Fulcrum Maritime Systems
jfletcher@fulcrum-maritime.com

