



ALDORIA

SECURING SPACE.
EMPOWERING SOVEREIGNTY

FRENCH SSA COMPANY, SINCE 2017



PARIS • TOULOUSE • BRUSSELS • AUSTIN



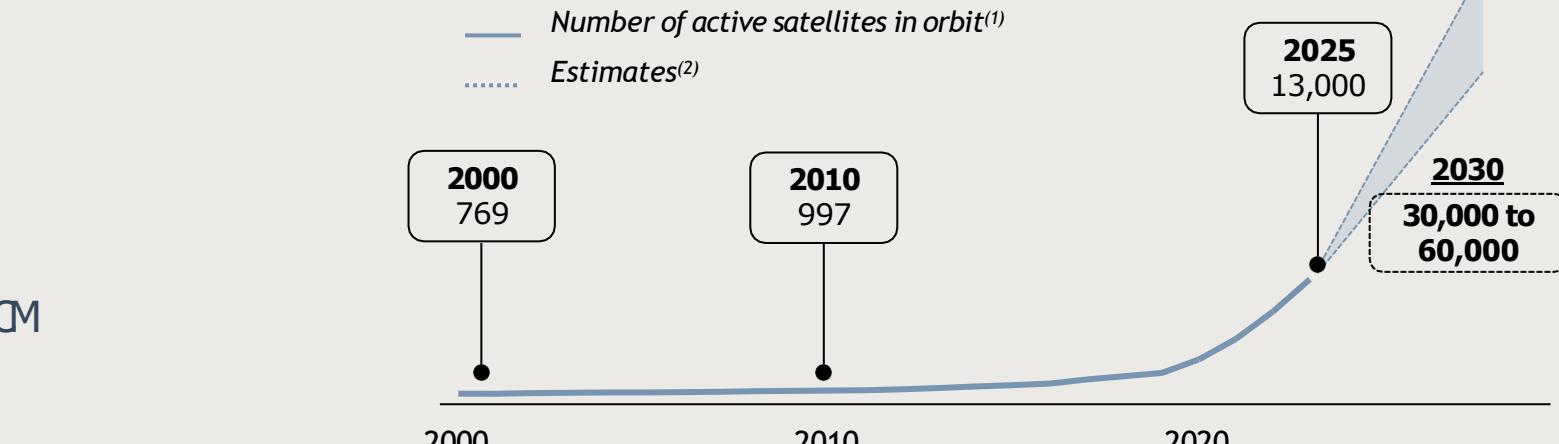
ENDORSED BY FRENCH AND EU INSTITUTIONS AND GOVERNMENTS



AS ORBITS BECOME MORE CROWDED, RISKS AND THREATS INCREASE

13000
ACTIVE SATELLITES

29 000
DEBRIS LARGER THAN 10M



STOS

SINGLE-TELESCOPE OBSERVATION SYSTEM



- TRACKING OF DESIGNATED OBJECTS

ORBITS

LEO, MEO, GEO

SIZE OF OBJECTS

10CM IN LEO
40CM IN GEO

SENSITIVITY

10M IN LEO
500M IN GEO

MTOS

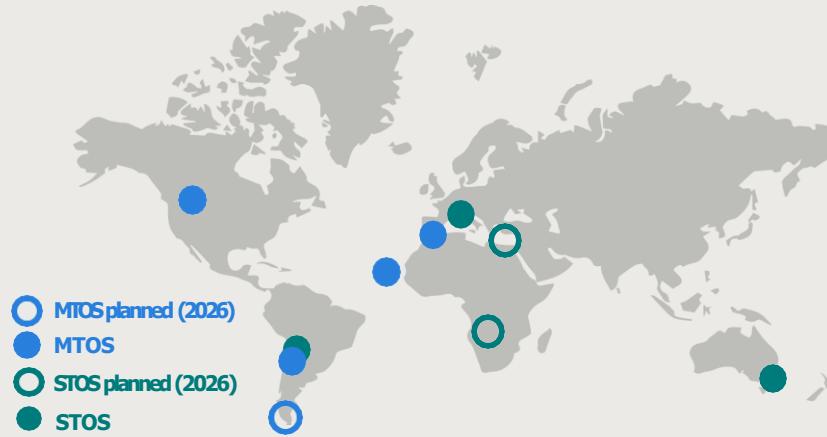
MULTI-TELESCOPE OBSERVATION SYSTEM



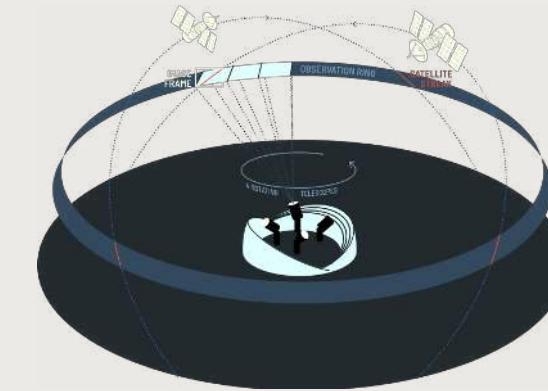
- TRACKING OF DESIGNATED OBJECTS
- GLOBAL SURVEY
- NON-PUBLIC OBJECTS DETECTION

DUE TO ITS ONE-OF-A-KIND INFRASTRUCTURE, ALDORIA PROVIDES UNIQUE SERVICES

ALDORIA'S NETWORK



MTOS PATENTED TECHNOLOGY



- LEO/MEO : ROTATE TO CREATE AN OBSERVATION RING
- 4 COLOCATED SYNCHRONISED TELESCOPES
- GEO : FULL BELT SCAN
- 5 000 MEASURES EACH NIGHT

SPACE SURVEILLANCE DATA



SPACELOG

REAL TIME ORBITAL DATA DISTRIBUTION



TRACKER

CUSTOM TRACKING

SPACE PROTECTION SERVICES



CALM

COLLISION AVOIDANCE IN ORBIT



WATCHER

NEIGHBORHOOD MONITORING



COLA

COLLISION AVOIDANCE AT LAUNCH



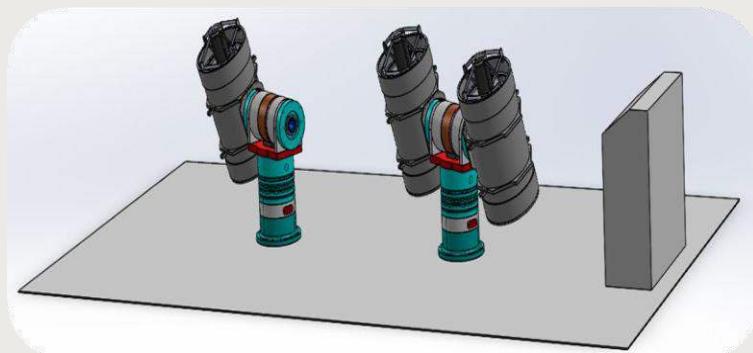
ATTITUDE ANALYSIS

REPORTS

NEXT GENERATION GROUND-BASED ELECTRO-OPTICAL TRACKING STATION

MSTOS

MULTISPECTRAL-TELESCOPE OBSERVATION
STATION



- 1 short wave infrared channel
- 2 channels in the visible spectrum
Covering : LEO / MEO / GEO

Night-time

Multi-spectral
characterization

**DUAL-MODE
TRACKING**

Day-time

Enhanced revisit

MAIN ENHANCEMENT

CARACTERISATION

REAL-TIME INFORMATION

IMPROVED ACCURACY

MANEUVER DETECTION

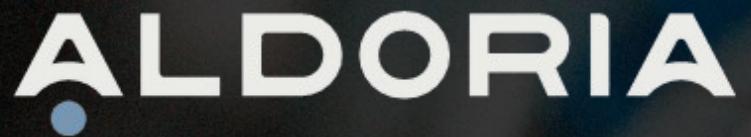
IDENTIFICATION

IN COLLABORATION with

ONERA
THE FRENCH AEROSPACE LAB

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bpifrance



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