

Satellites
Ground segments
Transversal competencies



ACRI-ST is an independent SME. A supplier of institutions, public and commercial space agencies dedicated to satellite Earth Observation which brings together scientific research, engineering of complex environmental systems, monitoring and surveying. ACRI-ST specializes in the Spatial Domain Sciences, Environment and ICT/Big Data.

The company plays a role in the whole chain: from sensor measurement specifications to the production of relevant information for scientists, policy-makers and economic stake-holders through applications, platforms and services. ACRI-ST also has recognised skills in the field of ground stations for the processing of digital data for geography and geophysics.

COMPETENCIES & CAPABILITIES

- Satellite Remote Sensing EO Systems
 - R&D in satellite RS applied to environmental issues
 - Engineering for EO mission/instrument specifications
 - Development of Algorithms & Data Processor Validation
- Ground-Segment Operations Systems, Collaborative Exploitation Platform; S-2 & S-3 MPC, Processing Center, Ground Station
- Studies and Research on Sciences of the Universe and Astrophysics
- Environmental Monitoring, Forecast & Surveillance
- Development of Decision-Making Tools & Solutions through its subsidiary ARGANS
- ICT/Big Data
 - R&D for EO mission Ground Segments & Environmental Engineering
 - High Performance Computing, Data analytics through its subsidiary adwaioEO



ACRI-ST

PRODUCTS & SERVICES

- Sentinel-3 Processing Archiving Center (S3 PAC)
- Coastal Thematic Exploitation Platform (C-TEP)
- Earth Observation Data Archiving Service (EODAS)
- Ground Segment Engineering Services (GSES)
- GlobColour (<http://www.globcolour.info/>)
- Glob Temperature
- Ground-Based Observations for Validations (GBOV)
- SIMPLEX™

Combined highly configurable mobile application and web interface to fuse participative reporting (crowdsourcing) and environmental data (mainly from Copernicus).

Powerful decision-making tool.

MAJOR SPACE PROJECTS & REFERENCES

- ENVISAT, SMOS commissioning, Cal/Val operations + design & update of MERIS, GOMOS & SMOS data processors.
- Spec., design, coding, verification/validation, industrialization of the Sentinel-3 processors (OLCI, SLSTR, MWR, SRAL)
- Prototypes & operational processors (IPFs)
- Operations of Ground Segment components: S2&S3 MPC, SLSTR+SYN PAC, EODAS
- Copernicus Long Term Archive framework
- S&T research in EO, geophysical fluid dynamics & downstream services demo on EC FP7's & H2020's, ESA EOP's, CNES programmes and ANR's funding (MARCOAST AQUAMAR, GlobColour, MyOcean, SENSIFY, SAFI, E-AIMS Collaborative Exploitation Platform (Coastal TEP))
- Ocean Strategic Services (OSS) project beyond 2015, awarded the Etoile de l'Europe prize
- Machine learning tools for planetary sciences: development, EOSC integration, and portal for Europlanet Research Infrastructure 2024
- SURPRISE, H2020 project, Enhanced super-spectral (from VIS to MIR) EO payload demonstrator
- Spectro-imaging tools for data fusion: James Webb Space Telescope, Sentinel 2 and 3 missions (ANR Labcom)
- LAW project, Validation of 3 Sentinel-3 datasets (Water Vapour, Aerosol Optical Thickness and Land Surface Temperature)

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TURNOVER 19M€

WORK FORCE 123

SPACE TURNOVER 18M€

SPACE WORK FORCE 103