



Deimos Overview





A MULTINATIONAL TECHNOLOGY COMPANY



SPACE



AERONAUTICS



MARITIME



TRANSPORT



DIGITAL TRANSFORMATION



45M€ Turnover 2022

More than
20
Years of
expertise













SPACE SCIENCE & EXPLORATION



SATELLITE NAVIGATION



EARTH OBSERVATION



SPACE SITUATIONAL AWARENESS



LAUNCHERS

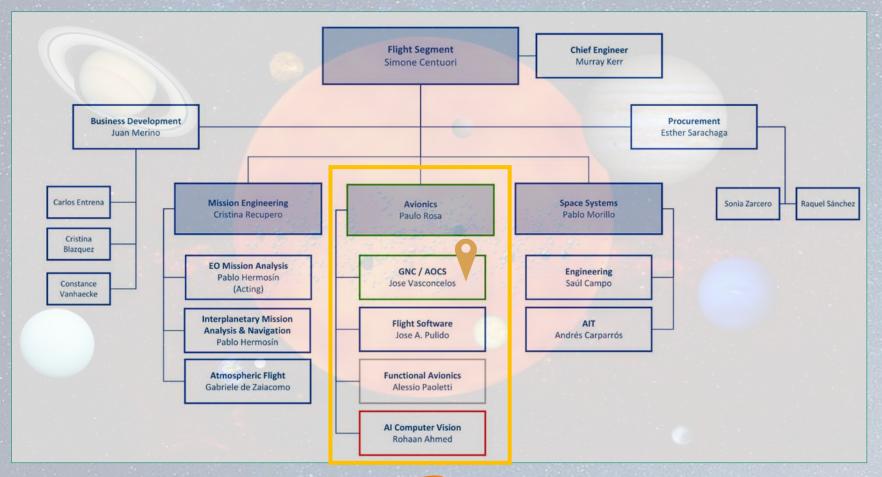
Expertise across the entire Space value chain

Definition Design Development Launch **Applications**

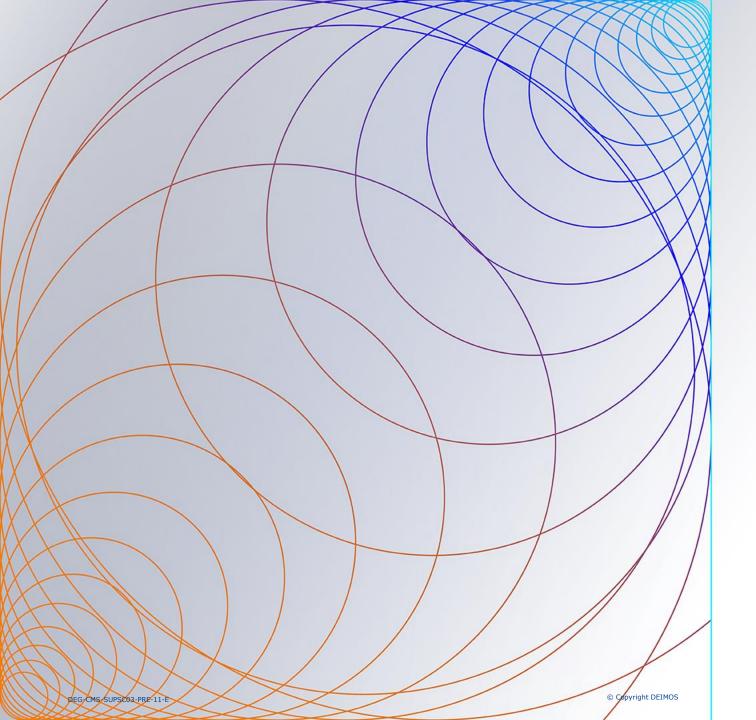


SPACE SCIENCE AND EXPLORATION

Understanding our Solar System

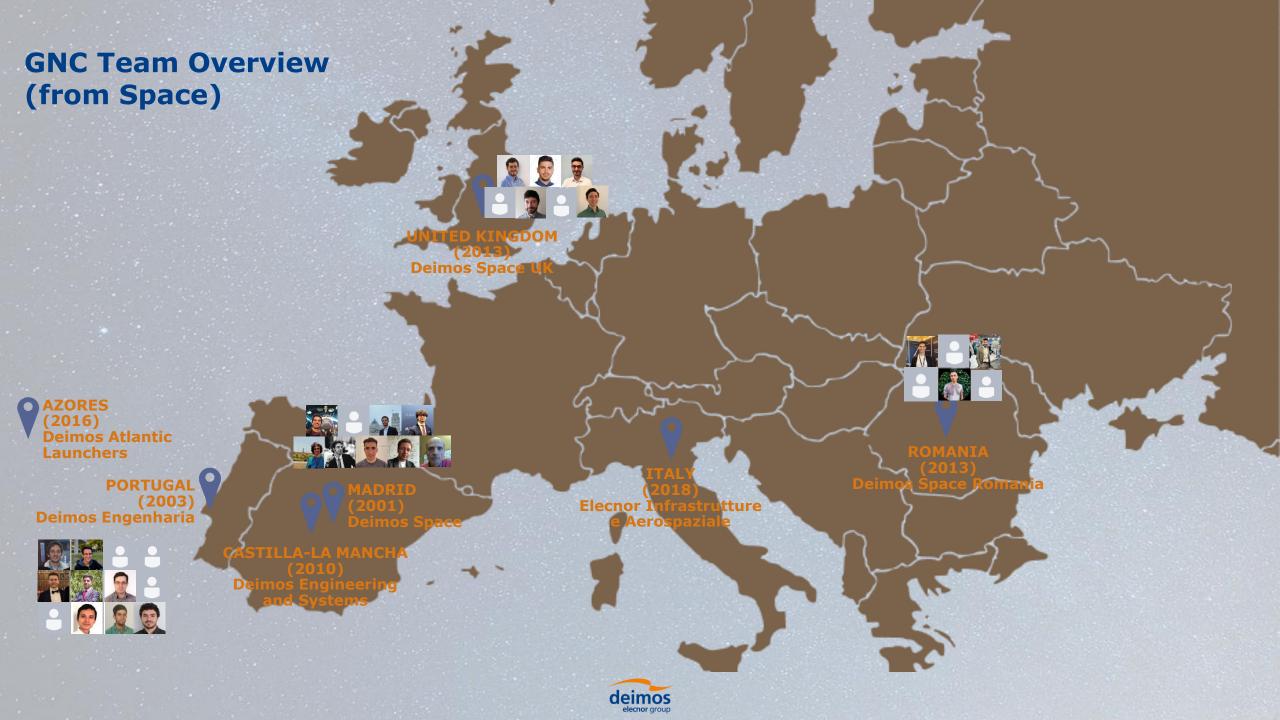








GNC CC overview





GNC Algorithms

☐ Several DEIMOS in-house solution elements for GNC and AOCS

Navigation: inertial and hybrid solutions

Guidance: open-loop and closed-loop solutions

**Control: "classical" solutions and more advanced options

* FM/Triggering: state machines and triggering solutions

FDIR: "classical" and analytical FDIR options

Models for satellite GNC/AOCS design, analysis and verification

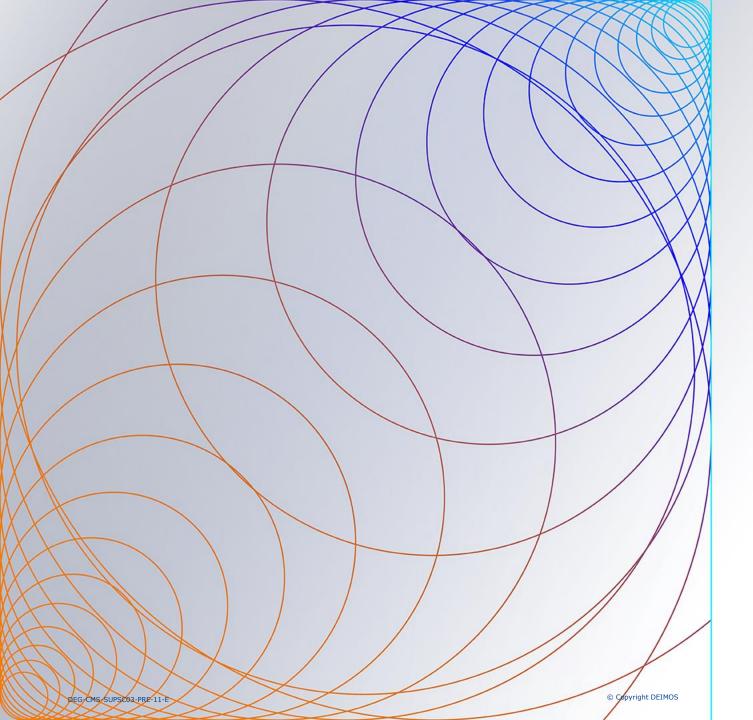
V&V tools: Advanced analytical & design solutions

Simulators: high fidelity, modular & custom

Knowledge Areas

- ☐ Algorithms have different TRL and development status
 - Depends on the avionics/GNC solution concept, requirements, etc.
 - All solutions are DEIMOS IPR, and can be modified/updated/improved as needed without restriction

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GNC assets



Projects Areas

In-orbit servicing



Launchers & Re-usable solutions

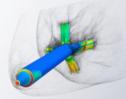












SALTO

Others: RETALT, ROCKHB, RRTB

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Projects Areas (cont'd)



Internal R&D

To boldly go where no GNC has gone b4...

AOCS products



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Research and Innovation

Collaboration with several universities for:

- Internships: 1st experience with corporate world.
- MsC: Research/development of topics closely related with on-going projects
- PhD: long-term research, with empowerment of key engineers

Industrial Benefits

- Innovation: Flow of knowledge university -> industry
- Application: Flow of applications industry -> university
- **Resourcing**: Identification of young talents
- Networking: facilitation of consortia









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Thank You!

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