

Launchers
Satellites
Ground segments
Transversal competencies



As a global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 40-years specific expertises in the Space sector which cover the entire value chain, Capgemini is an enabler for the European space ecosystem to make real their ambitions through a wide panel of services from strategy to operations

COMPETENCIES & CAPABILITIES

Supported by 600 experts located in Toulouse, our services address the actual challenges faced by the space core business, working alongside with European space key players and by users of space applications.

Our competencies set covers IT integrator core skills on space ground system, engineering, cloud, data analytics, science, GNSS systems manufacturing, artificial intelligence, cybersecurity and GDPR compliance.

Capgemini is proud of a +40 years proven track record in Space activities in Earth Observation, Telecom, Navigation and Science programs.



CAPGEMINI

PRODUCTS & SERVICES

Capgemini provides a wide range of skills from technical levels to functional expertise to define the operational efficiency of a common development process and the related development environment. Owning a global understanding from algorithm specification to implementation, Capgemini achieves to match the best architecture with the required scientific objectives.

SPACE NAVIGATION / GNSS: Manufactured equipment included in GNSS program Ground Segment

DIGITAL MANUFACTURING: IoT/ Connectivity, Digital Twin, M-AIT Expertise and Tools development

CRITICAL & COMPLEX SEGMENT: Mission & Control centers, critical ground segment element, Search and Rescue Ground Segment

DIGITAL PLATFORM & TOOLS: Data Exploration & Analytics platform, data fusion of multi sources of data, Digital climate platform, processing chains, scientific expertise

IN ORBIT SERVICES: on-board processing, in-orbit services, MBSE, AR/VR, system simulation and modeling.

MAJOR SPACE PROJECTS & REFERENCES

For the development of Earth Observation missions, Capgemini is involved in the design of ground segment ([MICROCARB](#)), in the processing chains ([MICROCARB](#) and [SMOS](#), [CFOSAT](#)), processors design and development ([SWOT](#)), integration of operation chains ([MUSCATE](#), [PEPS](#)). For Telecom and GNSS domains [Satellites](#) on the Development of Manufacturing Intelligence Tool for Space industrial process optimization using cloud platform and [EGNOS](#) and [Galileo Design, Development and long-term maintenance](#). Additional references are the [MAAP](#) ESA-NASA Multi Mission Algorithm Analysis Platform dedicated to scientific community exploring Biomass mission and [SSALTO](#) for the ground segment of altimetry from multi-satellites. For the Martian missions ([Curiosity](#), [InSight](#), [MARS2020](#)) where Capgemini has developed mission centres and expertise centres of French instruments.

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TURNOVER 14 B€

WORK FORCE 219 000 employees

SPACE TURNOVER 70 M€

SPACE WORK FORCE 600 employees