REGIONE LAZIO



Fiera di Roma - Hall 2 | Stand #C12/C13



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LAZIO'S AEROSPACE ECOSYSTEM

Lazio's aerospace ecosystem constitutes a unique excellence in the Italian manufacturing sector, with industrial and research expertise covering the entire supply chain.

It is a heritage that was born at the beginning of the 20th century and has been consolidated thanks to the process of integration between national Research Institutions of international level, Universities, Incubators, Accelerators, Technology Parks, major world-accredited companies, SMEs and high value-added startups.

An ecosystem that attracts national and international investments, thanks especially to the activity of the Aerospace Technology District, which is fundamental for the competitiveness of the sector, for its ability to aggregate and develop synergies between research, universities and the world of production.

According to its Smart Specialization Strategy, Lazio Region is supporting the development of the aerospace industry with investments to enhance technological evolution together with digital, industry and New Space Economy players, to strengthen the competitiveness of small and medium-sized enterprises and to encourage the emergence of new innovative experiences.

And the local government, through Lazio Innova, is among the key players in establishing the National Aerospace Technology Cluster (CTNA) in order to compete at the European and national levels.

An achievement that stems from Lazio's ability to team up among aerospace supply chain players. Growth and competitiveness are in fact the result of a shared strategy among all the living and propulsive forces of the territory.

In this catalogue, we present 31 outstanding companies in the production landscape of the aerospace sector in Lazio.

AEROSPACE IN LAZIO

The aerospace vocation in Lazio dates back to the beginning of the XX century, the result of a propensity for research and innovation that has always distinguished our territory and that has made aerospace one of the leading sectors of regional economic development.

The aerospace ecosystem of Lazio is among the largest in Italy in terms of production and scientific representativeness since it includes about 300 companies including large companies and SMEs with 23.5 thousand employees in cutting-edge technologies and an annual turnover of over 5 billion euros with a significant part (almost 2 billion) destined for exports. The strong interaction with 5 public Universities and numerous worldrenowned national Research and Innovation organizations is in fact one of the strengths of our ecosystem, a strength also perceived and appreciated by international companies, and which qualifies with greater value the attractiveness of Lazio for aerospace production.

PRODUCTION, RESEARCH AND INNOVATION

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SECTORS OF EXCELLENCE

Lazio is the only Italian region where the whole New Space Economy industrial value chain and a large part of the aeronautical and airport supply chain are present, a peculiarity that creates a competitive advantage at national and international level. Among its companies, Lazio Aerospace sector includes internationally renowned companies of excellence in the construction of satellites, propulsion systems and launcher components for access to space (Ariane and Vega), satellite systems for Earth observation, navigation and communication, equipment systems and aerostructures, electronics, information technology, avionics, air traffic management and

airport management services (MRO). The Lazio aerospace value chain is characterized by a high concentration: 9% of the companies are large system integrators of national and international standing ("Tier 1" and "Tier 2") which generate 85% of total revenues and employ 77% of workers, compounded by a vast group (91%) of level 2 suppliers ("Tier 3") consisting mainly of SME subcontractors that provide electronic products and services, ICT for the development of systems and satellite applications for communication, Earth observation, satellite navigation, avionics and aeronautical and airport services.

RESEARCH AND INNOVATION CENTRES

The Lazio Region also hosts the Italian Space Agency (ASI) and in Frascati, near Rome, the European Space Agency (ESA) with the ESRIN laboratories (one of the six European centres of excellence for the exploitation of Earth observation missions, founded in 1966). It also hosts the Nation's major research centres, including the National Research Centre (CNR), the National Institute for Nuclear Physics (INFN), the National Institute for Astrophysics (INAF), the National Institute of Geophysics and Vulcanology (INGV), the National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), the Institute for Environmental Protection and Research (ISPRA), the Centro Sviluppo Materiali S.p.A. (CSM - Rina Group), the Satellite Remote Sensing Joint Force Centre and the Air Force Flight Experimental Division (RSV).

LAZIO AEROSPACE TECHNOLOGY DISTRICT (DTA)

KEY NUMBERS



23,500 Employees



300 + Companies (Large, Medium and Small Enterprises)



2 BN Euro in Exports



5 BN Euro Annual Turnover



4 Faculties of Engineering



12 University Departments



30 Post - Degree University Courses



3,000 Researchers



1 ESA BIC Lazio Incubator

In 2004, the signing of the APQ6 between the Lazio Region, the Ministry of Economy and Finance and the Ministry of Education, University and Research, gave life to the DTA – Aerospace Technology District of Lazio, the first Italian Aerospace and Defence High-Tech District. Coordinated by Lazio Innova, an in-house company of the Lazio Region, the DTA pools together all the key players of the regional aerospace system for the following purposes:

- Fostering industrial research, training, technology transfer, and the launch of new business initiatives in line with the Smart Specialisation Strategy.
- Acknowledging a complex ecosystem that puts together large internationally relevant companies, small and medium-sized production facilities with high value-added service providers in the field of training, science and knowledge.
- Further stimulating a context that currently constitutes an internationally relevant asset, whose vocation dates back to the beginning of the last century, with the first initiatives that laid the grounds for Italy to become the third Country in the world, after USA and URSS, to put a satellite in orbit in 1964.
- Through the participation of the DTA Aerospace Technology District of Lazio, the Lazio Region is one of the founding members of the CTNA - National Aerospace Technology Cluster, which aggregates all the key players in the national aerospace system.

MAIN STAKEHOLDERS IN DTA

RESEARCH AND INNOVATION CENTRES

ESA - ESRIN European Space Agency

ASI Italian Space Agency

SAPIENZA Università di Roma

Università degli Studi Roma TRE

Università degli Studi di Roma

TOR VERGATA

Università degli Studi della TUSCIA

Università degli Studi di CASSINO

e del LAZIO MERIDIONALE

CNR (National Research Center)

INFN (National Institute of Nuclear Physics)

ENEA (National Agency for New

Technologies, Energy and Sustainable

Economic Development)

ISPRA (National Institute

for Environmental Protection

and Research)

INGV (National Institute of Geophysics

and Volcanology)

INAF (National Institute of Astrophysics)

ESA Business Incubation Centre Lazio -

Spazio Attivo Roma Tecnopolo Galaxia

- the Italian Aerospace Technology

Transfer Hub

RSV (Air Force Flight Experimental

Division)

CITS (Satellite Remote Sensing Joint

Force Centre)

CORDIFESA (former C4 Defense

COMMAND)

RESMA (Department of Aeronautical

Meteorology)

LARGE COMPANIES

LEONARDO

THALES ALENIA SPACE ITALIA

TELESPAZIO

AVIO

MBDA

E-GEOS

ELT GROUP

ENGINEERING

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ENAV

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BOEING ITALIA

NORTHROP GRUMMAN ITALIA

OHB ITALIA

RHEINHMETALL ITALIA

LARIMART - LEONARDO GROUP

SPACELAB - ASI & AVIO JV

IDS - FINCANTIERI GROUP

ESA BIC LAZIO

ESA BIC Lazio is part of the **ESA GETWAY COMMERCIALITATION** network, the go-to place for innovative business ideas involving space in all areas of society and economy. **ESA GETWAY COMMERCIALITATION** network's mission is to support entrepreneurs in Europe in the development of business using satellite applications and space technology.

The **ESA BIC Lazio programme** is co-financed by **Lazio Region** and the **Italian Space Agency (ASI)** and it is managed by **Lazio Innova**. Entrepreneurs and companies in the start-up phase can be hosted **within Lazio Innova's Spazio Attivo Roma Tecnopolo**.

The selected start-ups will have access to:

- incentive funding up to 50.000 EUR for prototype building, product development and intellectual property
- personalised support by mentors
- technical support from ASI and ESA
- access to an European network of start-ups and partners
- support in fund raising and access to investors
- credibility of the ESA BIC brand

INCUBATEES	STAKEHOLDERS

ART OTF ASI - Italian Space Agency

Betadynamiq AVIO
Cosmic E-Geos
CSHARK ENAC

EDY ESA - ESRIN European Space Agency

Finis Terrae Galaxia - the Italian Aerospace Technology

Involve Space Transfer Hub

MATHCLICK SAPIENZA Università di Roma

Science & Technology Italy STAM - ESA Technology Broker Italy

Space 11 Telespazio

Spark Thales Alenia Space Italia

Terravionics Università degli Studi di Roma TOR VERGATA

ZeroCo2 Università degli Studi Roma TRE

LAZIO COMPANIES AT NSE 2024





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Advanced Electronic Biosystem is an Italian company operating in the field of biomedical microelectronics.Our team of experts specializes in the design and development of certified Medical Devices applicable to telemedicine and remote monitoring.





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ARCA Dynamics provides Space Surveillance services and MDA services with proprietary constellations for space-based tracking. Utilizing on-board processing, responsive on-demand tracking, and RF detection for dark target tracking, ARCA Dynamics leads in space safety innovation.





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Brochesia, a registered trademark of TransTec Services Srl, develops Augmented Reality software for smart glasses, smartphones and tablets, which are used in the Aerospace industry for remote collaboration, technical assistance and aircraft maintenance and training.





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GAUSS is active in the field of space technologies.

Its objectives are the research and design of small-satellite aerospace missions it builds in its laboratories. It is also studying new solutions for small launchers: propulsion and access to space.





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OhmSpace is an innovative startup, funded by Lazio Innova Venture, that develops electric propulsion systems for satellites based on high-temperature resistojet technology. Its patented heater will be produced in-house using 3D metal printing in the Rome area.





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Think2Future works in Cybersecurity market and its purpose is to develop technologies and solutions for privare and public companies. The company markets the **picTRUE** digital platform, a security solution that certifies the origin and the source of digital pictures.





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