



REGIONAL INNOVATIVE NETWORK AIR – AEROSPACE INNOVATION AND RESEARCH

FEBRUARY 2025



THE SPACE INDUSTRY IN ITALY

2bn	7k	3°	7°
<i>Turnover</i>	<i>Employees</i>	<i>Italy in the EU</i>	<i>Italy in the World</i>
3,1bn	2,2bn	2,4bn	
<i>ESA budget 2023-2025</i>	<i>National PNRR funds</i>	<i>ASI inv 2022-2024</i>	

KEY FIGURES OF THE REGIONAL SPACE CLUSTER AIR

93	77	10	6
<i>Partner</i>	<i>Small Medium</i>	<i>Large</i>	<i>Universities-R&D</i>
2,2bn	+22%	63%	5k
<i>Cum Turnover (EUR)</i>	<i>vs PY</i>	<i>Export in EU</i>	<i>Employees</i>

POTENTIAL GDP IMPACT OF THE SPACE ECONOMY IN THE VENETO REGION

<i>Direct GDP from Space at 2040</i> 1,5bn <i>Assumed as 0,5% regional GDP</i>	<i>Direct, Indirect, Induced GDP from Space at 2040</i> 4,5bn <i>Assumed as avg of benchmark multipliers</i>
<i>Potential Impact on Job Creation</i> 1.100 FTEs <i>Assumed as 0,05% of regional workforce</i>	<i>Direct, Indirect workforce from Space at 2040</i> 2.400 FTEs <i>Assumed as avg of benchmark multipliers</i>

The Veneto Aerospace Regional Innovation Network (AIR) positions itself as an integrated ecosystem of companies, universities, and regional stakeholders.

Its objective is to be at the forefront of the New Space Economy by adopting a holistic approach, fostering internationalization and financial growth of local enterprises, and enhancing regional skills and capabilities.

New Space Economy

holistic approach leveraging the expertise of 90+ partners employing over 5,500 people and generating an annual revenue of €2.2 billion, with a strong export-oriented outlook

Internationalization

enhancing market access for highly specialized SMEs, which represent over 90% of the ecosystem and demonstrate strong innovation capabilities and global orientation

Financial growth

promoting the participation in strategic programs, with more than €53 million invested in space-related projects over the past decade, 40% funded by Italian and European institutions

Local Competences

through collaboration with the University of Padua, and other leading research centers, while aligning with the Veneto Region's Smart Specialization Strategy 2021–2027 and the national Space Economy agenda

KEY TECHNOLOGICAL AREAS OF FOCUS

1. AUTONOMOUS NAVIGATION AND REMOTE SENSING

Development of technologies for autonomous flight, such as monitoring, remote sensing, surveillance, and control of atmospheric and satellite flights.

2. ADVANCED ON BOARD SYSTEMS FOR NEW SPACE ECONOMY SMALL SATS

Development of equipment and software for low-cost small satellite onboard systems in the New Space Economy, including new payloads, propulsion systems, and telecommunication systems.

3. SPACE EXPLORATION

Multidisciplinary technologies and solutions for robotic and human space exploration, such as high-efficiency telecommunication networks for extraterrestrial sites (e.g., internet, IoT, M2M on the Moon and Mars), supporting the return of systems, materials, and products from human and robotic missions.

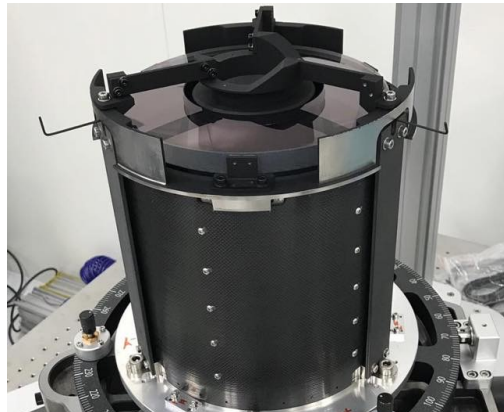
4. ENHANCEMENT OF STRATEGIC RESEARCH INFRASTRUCTURE

Strengthening of strategic research infrastructure across the regional territory for the testing of aerospace technologies and R&D laboratories.

5. CLEAN AND SAFE SPACE.

Development of technologies aimed at reducing the environmental impact of flight system components, aligning with European and international goals (energy consumption reduction, CO₂ emissions, noise levels, recycling technologies).

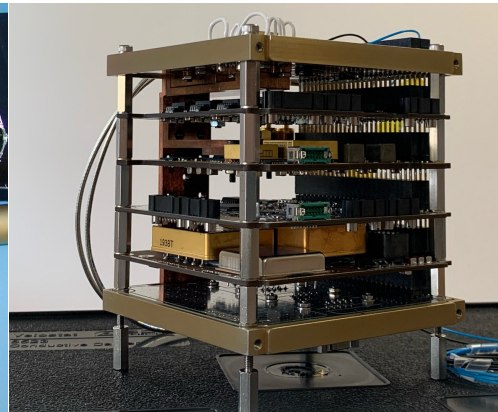
CURRENT COMPETENCES IN SPACE



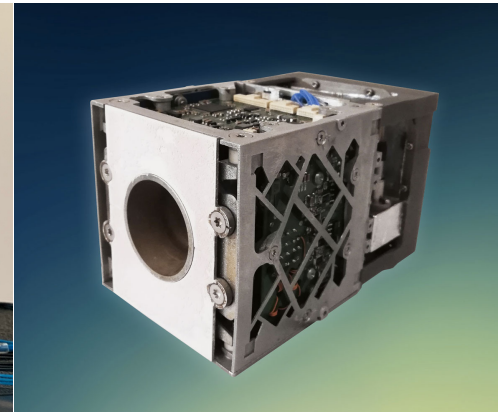
Mono and stereo telescopes, multi- and hyperspectral



Scientific payloads for remote sensing



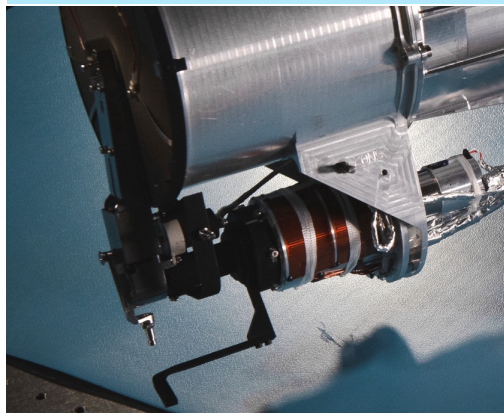
Small Sats subsystems



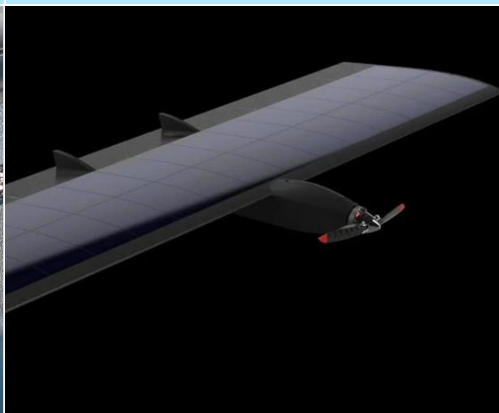
Space propulsion systems



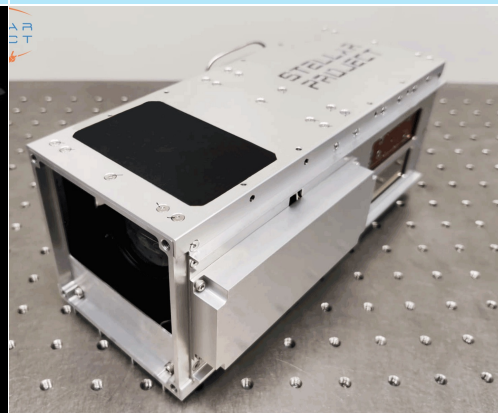
Extra-terrestrial habitats



Space robotics



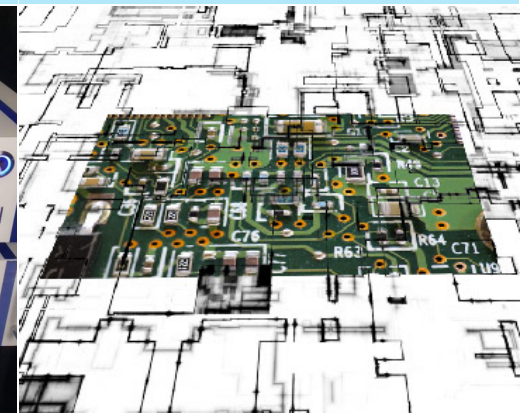
Autonomous robots and drones



Innovative optical telecommunications systems

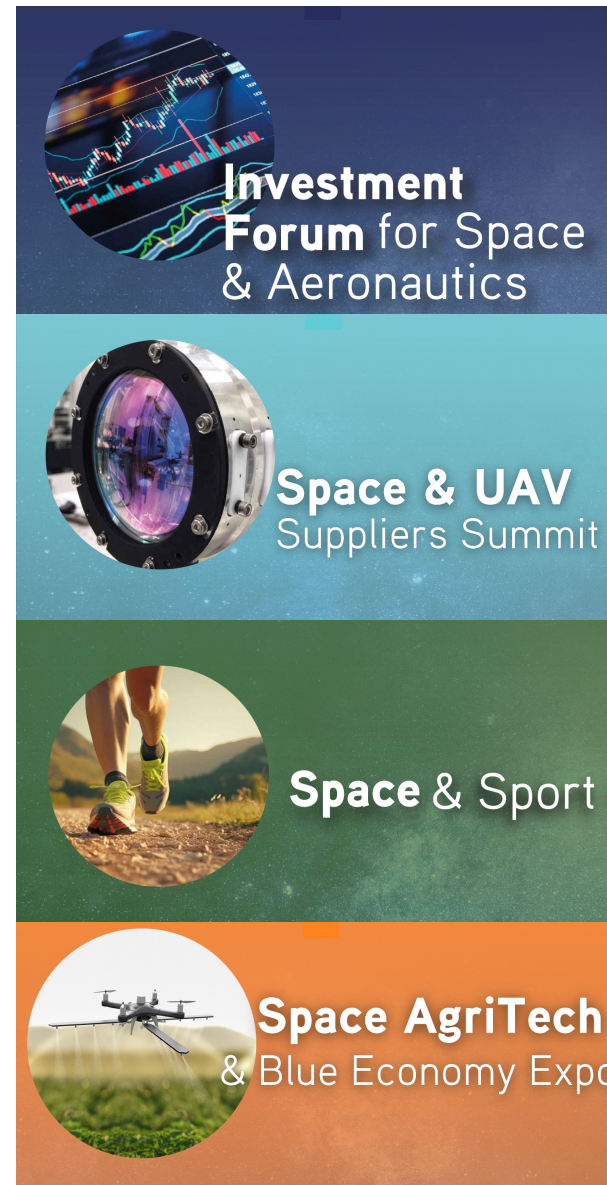
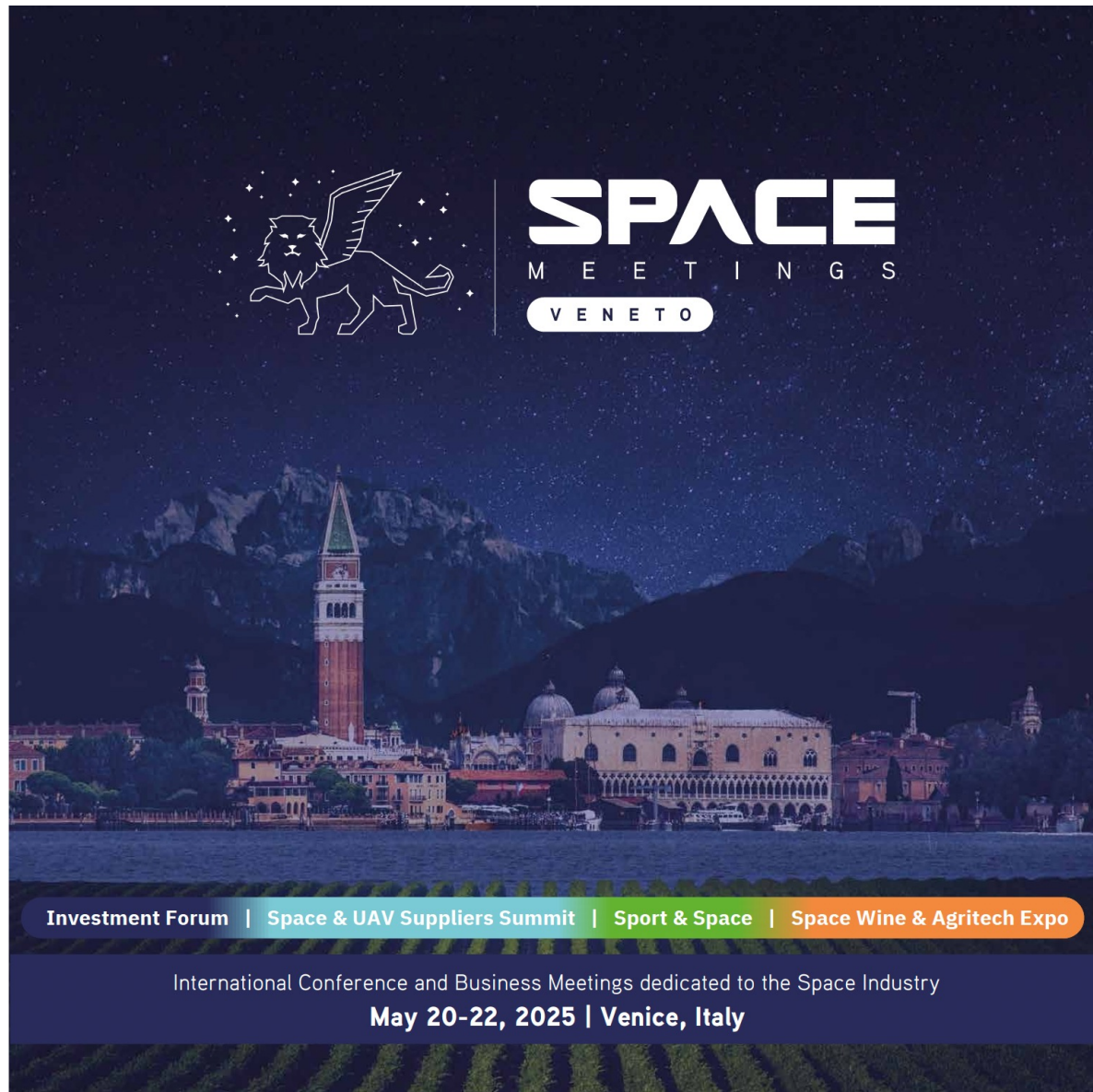


Quantum technologies



Cybersecurity

SPACE MEETINGS VENETO | MAY 20-22, 2025



KEY FIGURES OF THE 2024 EDITION

- 250 Industry Companies
- 25 Countries represented
- 3.000 Attendees
- 25 European Startups
- 5.000 B2B meetings
- 150 Speakers
- 50 Panels

AIR MEMBERS





BACK UP SLIDES



ACTIVITES IN 2024



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In partnership with

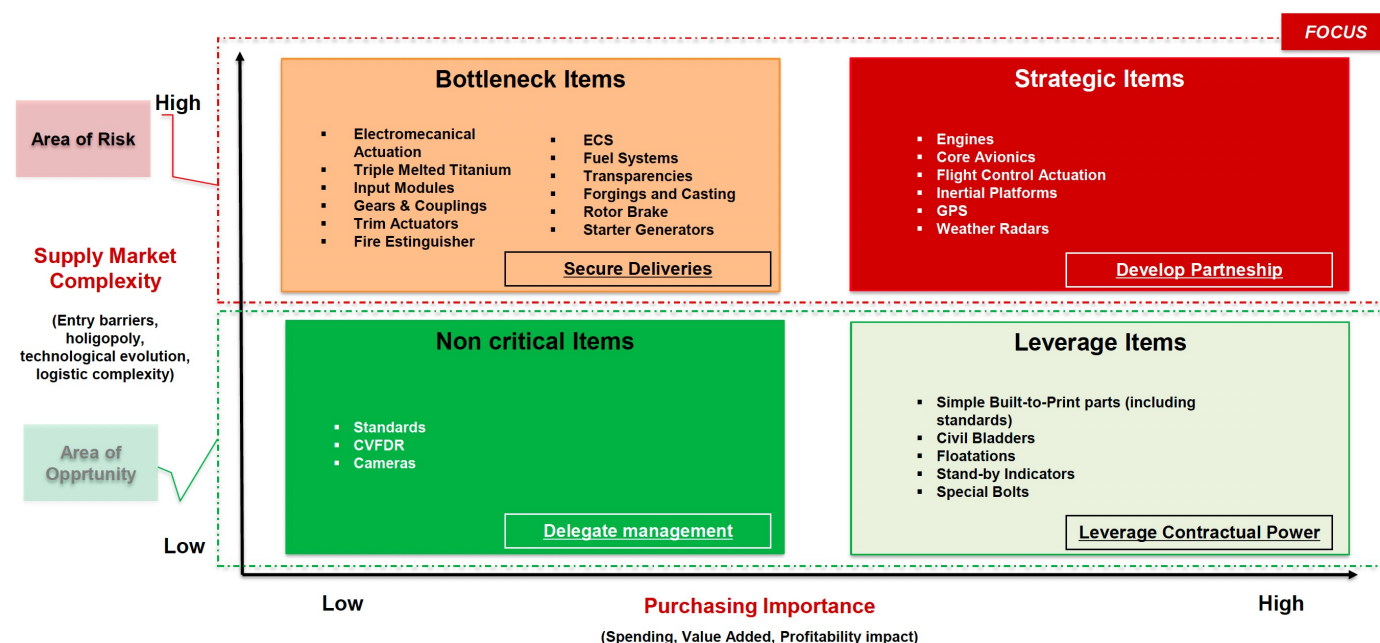


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IAC 2024 | OCTOBER 14-18, 2024



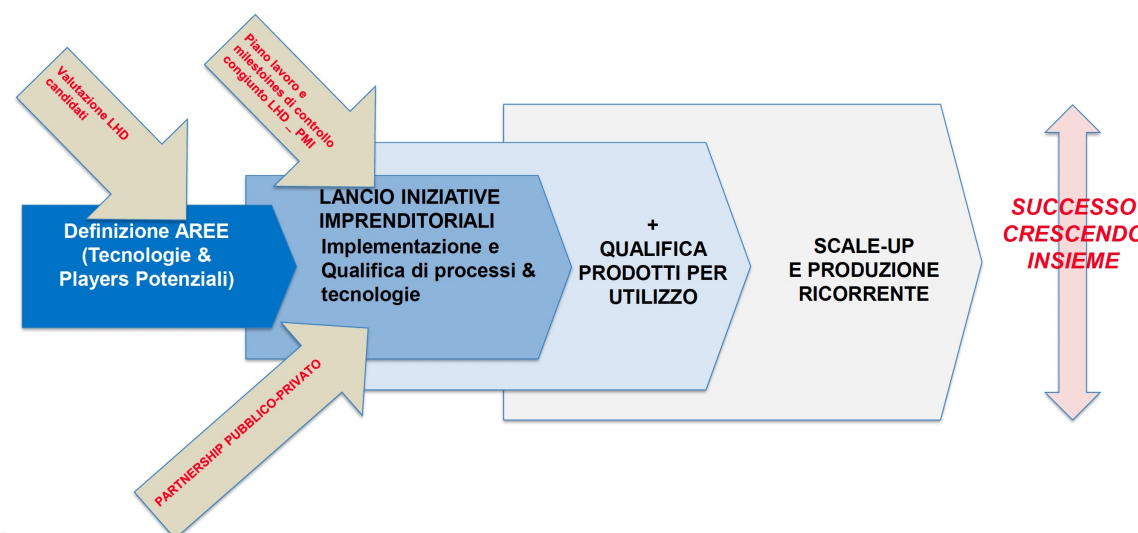


Objective:

- Expand the footprint of existing players by encouraging investments to broaden their product and technology portfolio
- Support the integration of new high-tech players into the supply chain

AIR Companies Nominated for the Program:

Alticolor s.r.l., Benozzi Engineering s.r.l., COMPOSITEX S.R.L., DWave Srl, ECOR INTERNATIONAL SPA, Fantin Lino S.r.l., IRCA SpA.-Zoppas Industries, ISOCLIMA, Mecc-Tre, Spring Srl, Viraver Technology Srl



COMMERCIAL ORBITAL STATIONS | AXIOM –ITALIAN GOVERNMENT MOU

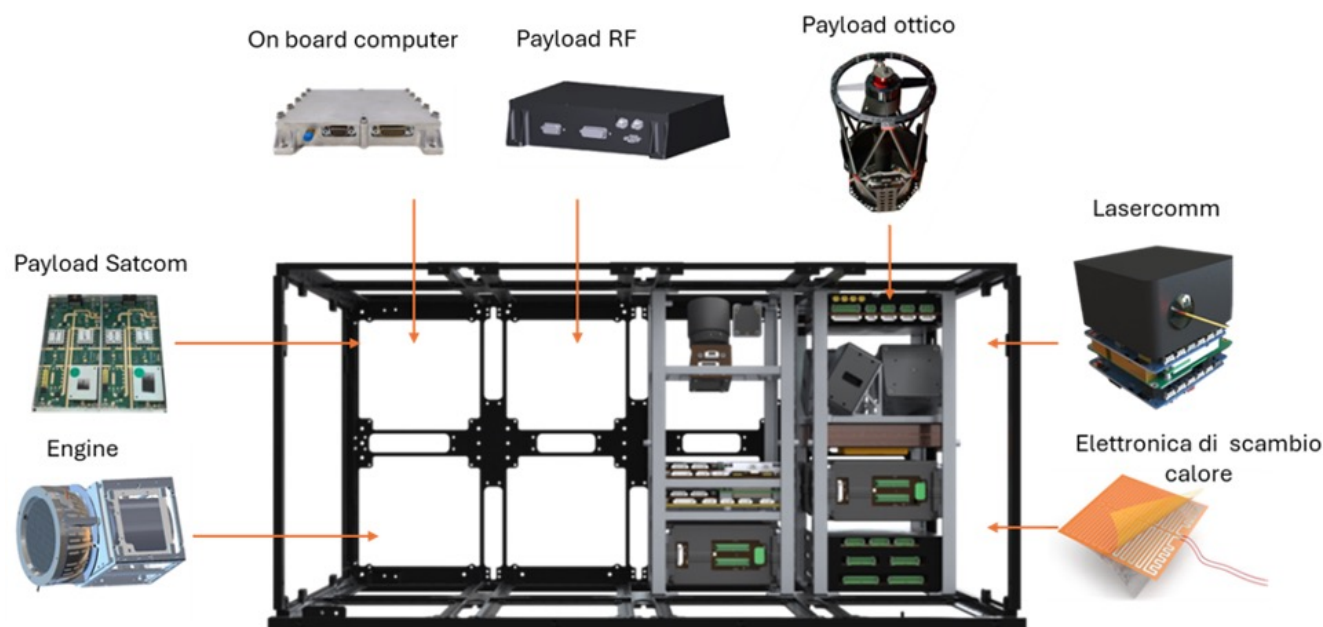


October 29, 2024: Meeting on the development of modules to be integrated into the future commercial space station.

Development of the first commercial orbital station for private and institutional missions, approved by NASA.

On May 19, 2022, Minister Colao signed an MoU with Axiom for collaboration in the development of space infrastructure, focusing on:

- Promotion of the LEO (Low Earth Orbit) market
- Collaboration for research and experimentation in microgravity
- Joint research projects
- Cooperation in the field of commercial spaceflight



Flatsat, con componenti sviluppate nel progetto.

RECONFIGURABLE COGNITIVE SATELLITE

supply chain project proposal aimed at developing a flatsat, a demonstrator of a reconfigurable and cognitive satellite and its critical subsystems for non-operational purposes.

The initiative serves as a preliminary step toward developing a potential constellation of LEO satellites with “Made in Veneto” technologies, designed to provide telecommunication and territorial observation services.

Project Duration: 24 months

Budget: 1,9 mln EUR

AIR Companies in the Project Partnership:

Qascom, Officina Stellare, Stellar Project, T4i, Irca-Zoppas Industries, Dwave, UniPD



ACTIVITIES PLANNED IN 2025



SPACE MEETINGS VENETO | MAY 20-22, 2025





SPACE

MEETINGS

VENETO



Investment Forum | Space & UAV Suppliers Summit | Sport & Space | Space Wine & Agritech Expo

International Conference and Business Meetings dedicated to the Space Industry

May 20-22, 2025 | Venice, Italy



Investment Forum for Space & Aeronautics

Discover the market and learn about investment opportunities fostering the development of the aeronautics and space sectors.

KEY TOPICS

- Procurement trends and developments in the aerospace market
- Democratization of the space sector
- Opportunities for new market entrants
- Emerging market opportunities
- Green economy
- Cross-industry investment
- Business models and commercial partnerships
- Innovative purchasing platforms and technologies



Space & UAV Suppliers Summit

The Space Suppliers Summit is a two-day business convention dedicated to the space supply chain that features a high-level conference, a showcase, technical workshops, and pre-arranged one-to-one meetings.

KEY TOPICS

- Space Industry Growth Opportunities
- New Space Launch
- Cubesat & Nanosat Supply Chains
- Promoting a More Sustainable Space Ecosystem
- Space & AI
- Digital Transformation
- Transforming Access to Space
- Satellite Navigation and Communications
- Growing the Lunar Economy
- Data-Driven Manufacturing
- Space Quantum Communication
- In-Space Manufacturing & Operations
- Cybersecurity for the Space Sector



Space & Sport

The Space Meetings Veneto will be also a unique chance to speak about physical activity and Space.



Space Wine & Agritech Expo

This is a one-day event featuring a conference program and one-to-one meetings for professionals involved in space applications, innovative technologies, data for the wine industry, and the climate monitoring sector.

Partner



Collaborators







Main Sponsor



Gold Sponsors



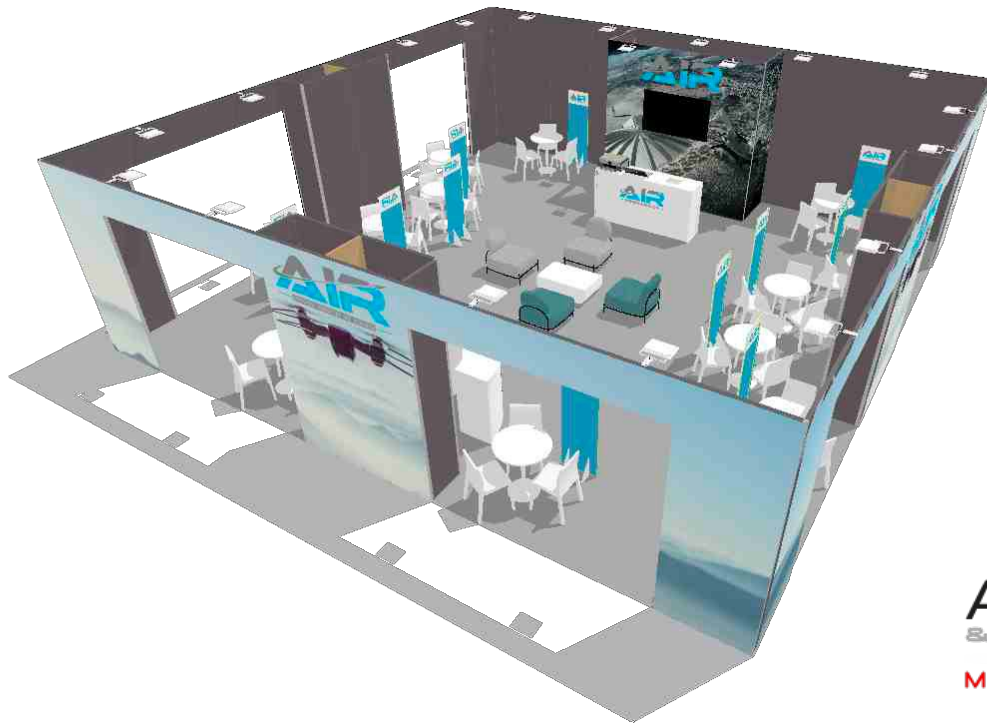
2024 Silver Sponsors



2024 Organizers



TORINO AEROSPACE & DEFENSE MEETINGS | DECEMBER 2-4, 2025



**AEROSPACE
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Veneto Regional Stand

