



# ITALIA<sup>AT</sup>

## 37<sup>th</sup> SPACE SYMPOSIUM '22

April 4 - 7, 2022 The Broadmoor, Colorado Springs, CO USA





ITA - Italian Trade Agency is the Governmental agency that supports the business development of our companies abroad and promotes the attraction of foreign investment in Italy.

With a motivated and modern organization and a widespread network of overseas offices, ITA provides information, assistance, consulting, promotion and training to Italian small and medium-sized businesses. Using the most modern multi-channel promotion and communication tools, it acts to assert the excellence of Made in Italy in the world.

Through its Houston office, the Italian Trade Agency supports the aerospace sector in the United States.

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ASI was founded in 1988. Its purpose was to coordinate all of Italy's efforts and investments in the space sector. ASI is one of the most significant players in the world in space science, satellite technologies and the development of mobile systems for exploring the Universe. ASI participates in many scientific missions. While one of ASI's most important programs is the Cosmo-SkyMed, ASI also holds leadership in the European Vega program.



Italy is one of the largest manufacturing countries in the world. While there is no need to note its prominence in the sectors of fashion, food products, automotive, etc. – maybe there is still a lot more to discover about Italy's role in Space.

The Italian aerospace industry plays a leading role in both the national and international economy. Space is one of the high-tech sectors in which Italy holds a global leadership position, ranking fourth in Europe and seventh worldwide.

Aerospace activities carried out in Italy generate 13 billion euros in revenues and employ more than 64,000 people.

Italy belongs to the exclusive club of spacefaring nations in the world that have a complete supply chain and a full range of expertise in the field. With an exceptionally articulated industrial value chain, the Italian Space Industry offers virtually everything: large System Integrators and large companies specializing in complex system integration, about 200 small and medium-sized companies engaged in upstream and downstream activities, start-ups able to innovate and stay ahead of new technology trends. Not to mention 12 Technology Clusters.

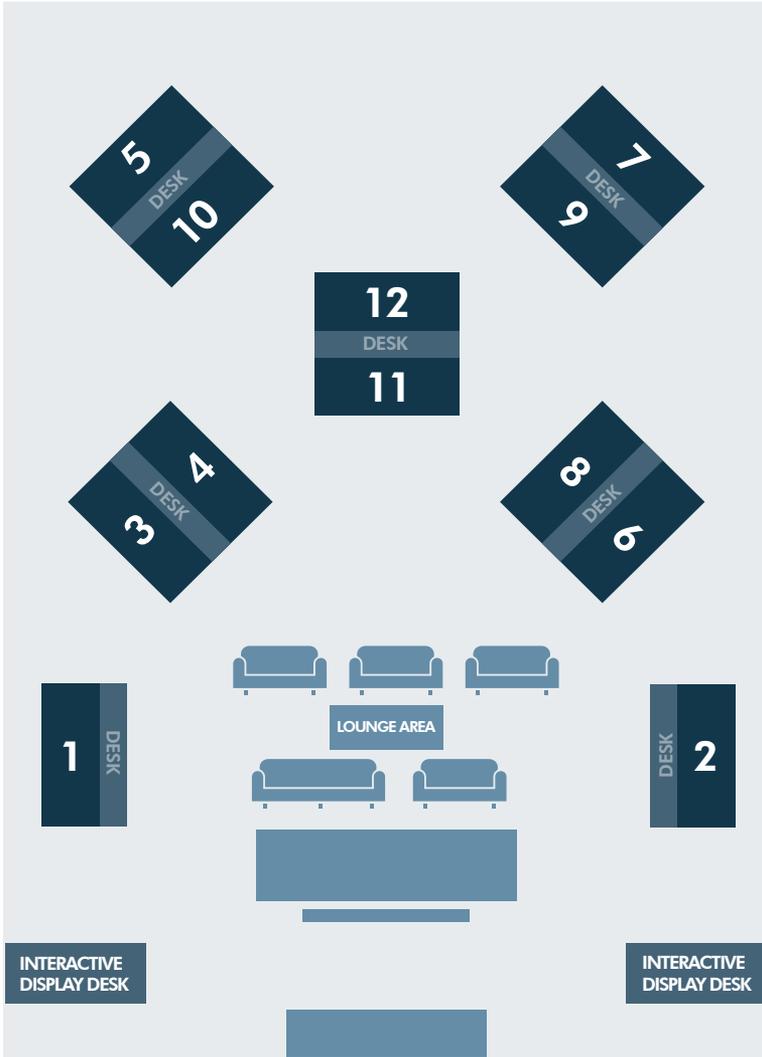
In 2022, US companies will have four different chances to directly engage with Italian companies in the field of aerospace: four great events that will be attended by Italian leading companies.

An Italian Pavilion will be present at SpaceCom Expo 2022, Space Symposium 2022, ADSS Seattle 2022 and SpaceTech 2022. There, you will find the best representatives of a vibrant and rapidly growing sector, eager to establish new relationships around the world.



**Find, trace and discover your next Italian aerospace partner by downloading the complete industry catalog here.**

# FLOOR MAP



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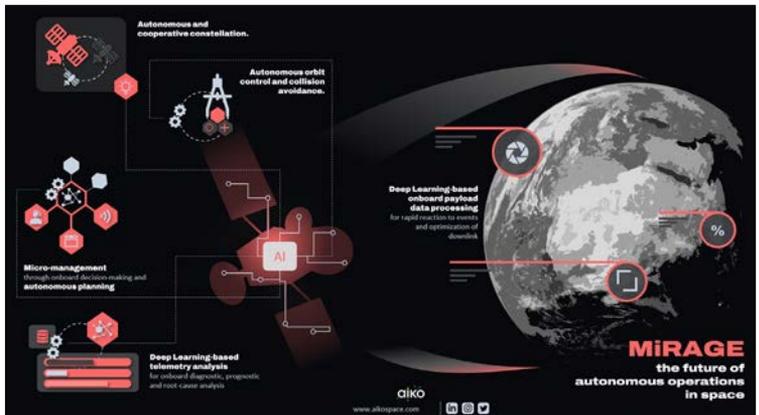
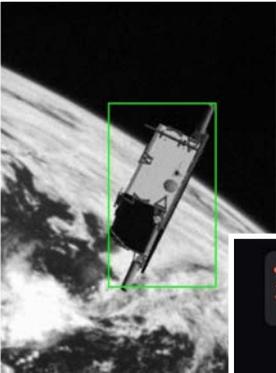
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AIKO S.r.l. ([www.aikospace.com](http://www.aikospace.com)) is an innovative deep-tech company with a unique mission:

Disrupting how space mission operations are carried out, by introducing state of the art automation technology on satellites, and in mission control centres.

AIKO has been the first European company to have demonstrated Deep Learning algorithms in orbit (2019), achieving TRL 9 for payload data processing algorithms.

The company counts over 25 employees and has raised private and public funding, and counts several contracts from space industry leaders in Europe and US.





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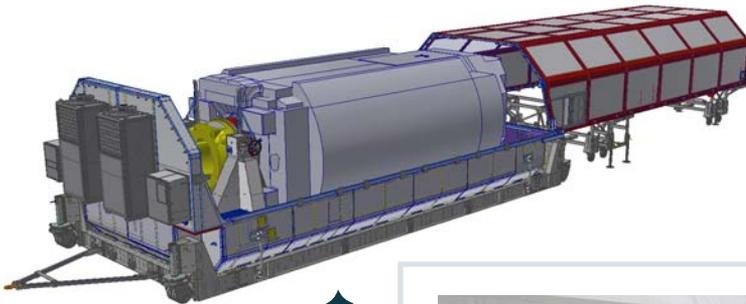
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ALMA Sistemi S.r.l. ([www.alma-sistemi.com](http://www.alma-sistemi.com)) is an Italian SME established in 2005 in Guidonia (Rome) providing high level engineering in the space and defence markets.

ALMA Sistemi S.r.l. provides Mechanical and Software Engineering as well as Project and Proposal Management according to ESA ECSS standards. Other activities include RTD projects covering remote sensing and GIS applications, image processing and development of scientific instrumentation for Planetary Exploration. Engineering activities are focussed on Mechanical and Electrical Ground Support Equipment's for Satellites and Payloads.

ALMA is currently engaged in nine RTD projects funded by European Union (6 of which 5 as coordinator), Italian Space Agency and local authorities. ALMA Sistemi is certified ISO 9001:2005 and it is currently engaged in ISO9100 certification.





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ALTEC – Aerospace Logistics Technology Engineering Company – is the Italian center of excellence for the provision of engineering and logistics services to support operations and utilization of the International Space Station and the development and implementation of planetary exploration missions.

ALTEC headquarters are based in Turin, Italy, its branch office is located in Cologne, Germany, with activities at ESA and DLR, and has liaison offices at NASA. ALTEC is a public-private company owned by Thales Alenia Space and the Italian Space Agency – ASI.

We design, develop and operate mission control centers for robotic planetary exploration missions, control centers for re-entry missions and data processing centers for scientific missions.

ALTEC is actively working with industrial partners and agencies to support the next lunar exploration missions, within the international project GATEWAY, on the definition of assets and key services for communication to and from the Moon, and on the lunar surface, to enable the Italian and European exploration activities.





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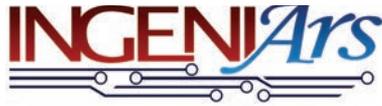
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Connex Italiana was founded in 1979 with the aim to propose and to design-in electrical and electromechanical components to main Italian OEM customers. Our main markets are Aerospace & Defense, Racing, Railways and Space. We are a Manufacturer's Representative company, continually seeking to represent new innovative companies, for the Italian market and we are also a worldwide specialized distributor/service provider with thousands of items available in stock. We are looking for companies interested to explore the Italian markets and we are looking for to sell products worldwide as a distributor AS9120B qualified.





*The Art of Engineering*

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IngeniArs was founded in 2014 as innovative start-up and University of Pisa spin-off company, from the long experience of our co-founders in the area of Electronics and Computer Science. We are specialized in design and development of innovative high-tech electronic/informatics systems in the domains of Aerospace, Artificial Intelligence, Healthcare, Cybersecurity. We are able to manage the full lifecycle of electronics, microelectronics, embedded systems, smart sensors, web application and services, and we offer high quality products and services to our customers and partners. We are Microchip Design Partner, Xilinx Certified Partner, Associate Member of the CCSDS and part of the NVIDIA Inception Partnership Program. Our company is UNI EN ISO 9001:2015 and UNI EN ISO 13485:2016 certified.





the Brainware company

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Intecs Solutions, founded in 1974, is an Italian private Company at the forefront in the design and implementation of high-tech electronic systems for the AeroSpace, Defence, Transport markets, where safety, reliability, innovation and quality are the key ingredients for success. Intecs designs and develops applications, tools and software components for complex electronic systems in cooperation with major European and Italian Industries, Organizations, Universities and Research Centers. Space is one of the sectors in which Intecs has been involved since its foundation, working on several projects for the main space agencies for both ground and on-board software development.

Our headquarter is in Rome, while other operational sites are located in Pisa, Naples, Milan, Turin, Genoa, Reggio Emilia and Pittsburgh.





**Zoppas Industries**  
*Heating Element Technologies*

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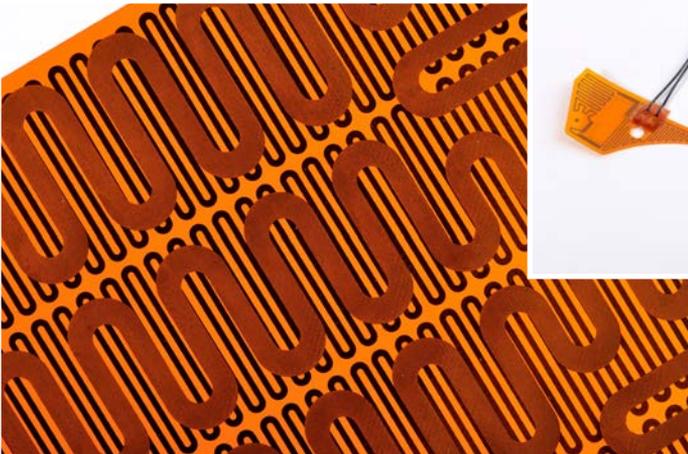
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Zoppas Industries is a global supplier of flexible heaters and systems for space satellites, spacecrafts, pressurized modules and ground-based antennas since 1992. The group is qualified for space applications according to ESA specification ESCC 4009/002 and 4009/004.

Flexible heaters are typically used for thermal balancing of structures subject to sub-zero temperatures, moisture removal from semiconductors and circuits in payloads, defogging of sensors and lens and snow melting for ground-based antennas.

Heaters configurations are based on a heater resistive element made of flexible nickel/chromium/iron alloy laminated on a polyimide sheet in single layer (0,25mm max) or double layer (0,4mm max) construction. Layout can be in form of individual heating unit or multiple strips. Thermal design of the heater track is optimized to achieve the required temperature pattern on the surface with a max operating temperature of 200°C and ohm density up to 330 ohm/cm<sup>2</sup>.





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Leaf Space operates and continues to develop a solid and reliable distributed ground station infrastructure for a world where Space is for everyone, up there to be discovered and explored with small, versatile and cost-effective Smallsats. Our unique concept is focused on creating satellite telecommunications as-a-service, in order to assist clients with their satellite operations by managing and procuring the entire ground segment system through a complete set of services, including timeshared access to ground, customize telecommunication solutions, ground station procurement, consultancy and backup services. The outsourcing strategy for communications significantly reduces cost and development time for any Smallsat operator who relies on us, turning ground segment into a predictable recurring cost.





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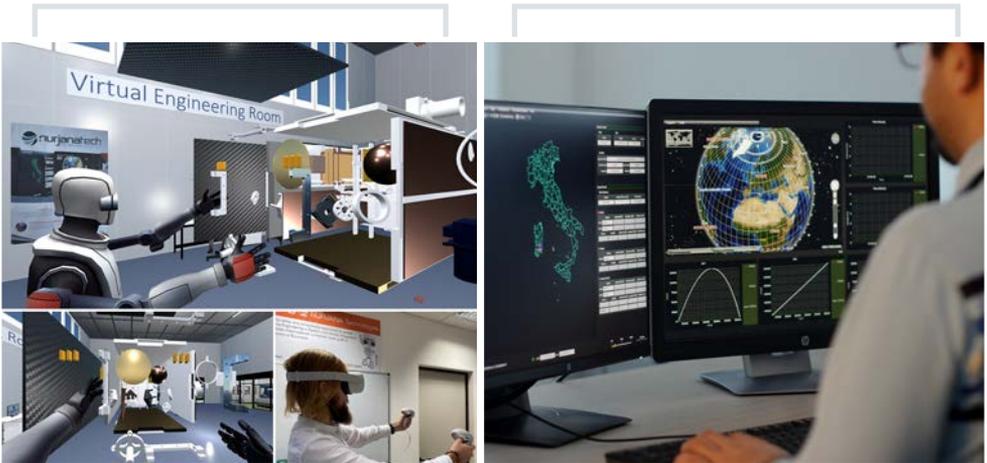
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NurjanaTech is a highly specialized systems engineering, development and integration solutions provider that helps defense and aerospace entities tackle tomorrow's technical challenges through innovative and pioneering solutions.

Our ground-breaking target tracking and command & control solutions provide the foundation for multiple worldwide projects, including sensor data fusion for automatic ballistic tracking, test range command & control and new space solutions. These include SPADAS, a SDA platform whose preliminary service covers LEO collision avoidance, and a 3D Virtual Engineering & Configuration (3DVEC) solution to simplify the assembly, integration and testing of satellites in an immersive environment.





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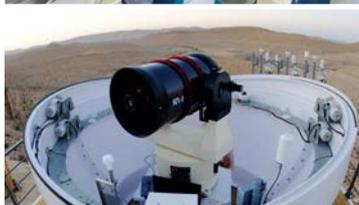
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Officina Stellare is a leader in the design, development and delivery of complex opto-mechanical systems and instrumentation for both Ground and Space-based applications. It operates as a vertical integrator where precise, state of the art designing, manufacturing, integration and testing are performed in-house with granular accuracy. We are based in Sarcedo, Italy, and are listed on the Italian Stock Exchange market.

The Company stands out from the international panorama for the entirely in-house availability of the know-how and processes necessary for the design, manufacturing and commissioning of its products and systems for both series and full custom solutions.

Driven by our engineering and MAIT teams and enabled by our internal large optical manufacturing and testing facilities equipped with most advanced technologies, Officina Stellare develops full in-house solutions, with remarkable cost and development time savings for our end-customers. Officina Stellare gathers together professionals stemming from a variety of engineering domains.



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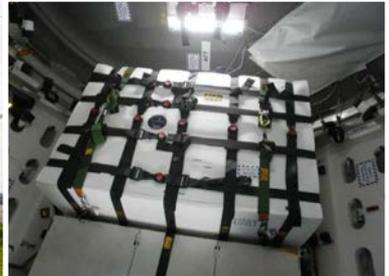
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Sabelt, founded in 1972, is a global leader in development and manufacturing of original equipment car seats, seatbelts, motorsport products and seatbelts for markets, such as Military, Aviation and Aerospace. The quality of Sabelt products is the result of an intense R&D, which allows it to reach the highest levels of performance and safety. Sabelt entered the aerospace sector thanks to space straps and nets for cargo operation to the ISS. Thanks to its long-lasting experience in safety, it has been able to reduce the mass of the retaining systems for the space cargo module up to 40% of its original weight. It extended its product portfolio with new fireproof PPE bag support used to optimize load storage.





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Telespazio, a Leonardo and Thales 67/33 joint venture, is one of the world's leading operators in satellite services. Its activities range from the design and development of space systems to the management of launch services, from in-orbit satellite control to Earth observation, from integrated communications, satellite navigation and localisation services to scientific programmes. Telespazio plays a leading role in the reference markets harnessing technological experience acquired over the years. Since its establishment, the company has participated in major European space programmes such as Galileo, EGNOS, Copernicus and COSMO-SkyMed. In 2020, Telespazio generated sales of EUR 540 million while employing 3,000 people in nine countries.







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