

# ITALY AND AUSTRALIA: A UNIVERSE OF POSSIBILITIES

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## 15<sup>th</sup> Australian Space Forum, 9 May 2023, Adelaide

We are bringing you some of the most advanced Italian space technology companies interested in collaborating with the Australian space industry to grow and thrive together.



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## INTRODUCTION

Characterised by the second highest level of expenditure in R&D by Italian companies, the Italian aeronautics and space sector occupies a leading position in the international context, fourth in Europe and seventh in the world. Apart from some big Prime Contractors, 80% of the national supply chain is made up of SMEs concentrated mainly in seven technology districts. These are companies with excellent skills, enhanced by the collaboration with large national industries, research centres and universities, which have earned the 'Italian system' a leadership position in different fields of aeronautics and space. The field of activities is vast, ranging from the assembly of aircraft, helicopters and microsatellites, space launchers, boats and military vehicles, to systems and subsystems (landing, defence systems, pointing, on-board and land-based communications, radar, flight attitude, etc.) to individual parts and components, to design and engineering, experimentation and testing, maintenance, etc.

## THE ORGANISERS



ITALIAN TRADE AGENCY

### ITA - Italian Trade Agency

[www.ice.it/en](http://www.ice.it/en)

The Italian Trade Agency is the governmental agency that promotes Made in Italy throughout the world, supporting the growth of Italian companies abroad and contributing to the attraction of foreign investments to Italy.



Agenzia Spaziale Italiana

### ASI - Italian Space Agency

[www.asi.it/en](http://www.asi.it/en)

The Italian Space Agency is a national public body and established itself as one of the most important global stakeholders of space science and satellite technologies, playing a leading role both at a European level, where Italy is the third major contributor to the European Space Agency, and at a global level.

## PARTICIPATING ITALIAN COMPANIES



### Astra

[www.astraspace.it](http://www.astraspace.it)

Astra specialises in the design and manufacturing of heat flux and temperature probes for aerospace and energy fields. The main space applications are atmospheric re-entry and thermal protection systems. As far as aeronautical applications are concerned, Astra's focus is on anti-icing and de-icing systems for small aircraft.

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## D-Orbit

[www.dorbit.space](http://www.dorbit.space)

D-Orbit specialises in space logistics and transportation services with a track record of space-proven technologies and successful missions. It is the first company addressing the logistics needs of the space market. Their ION Satellite Carrier is a space vehicle that can transport satellites in orbit and release them individually into distinct orbital slots, reducing the time from launch to operations by up to 85% and the launch costs of an entire satellite constellation by up to 40%.



## IngeniArs

[www.ingeniars.com](http://www.ingeniars.com)

IngeniArs specialises in the design/development of innovative high-tech electronic/informatics systems for Space, AI, Healthcare and Cybersecurity. The team can manage the full lifecycle of electronics, microelectronics, embedded systems, smart sensors and web applications/services. IngeniArs is a Microchip Design Partner, Xilinx Certified Partner, CCSDS Associate Member and part of the NVIDIA Inception Partnership Program. ISO 9001:2015 and ISO 13485:2016 certified.



## Leonardo

[www.leonardo.com/en](http://www.leonardo.com/en)

Leonardo, a key player in the European Space Industry, has been present in Space programs since the conceptualisation phase in the 1960s and leverages its unique expertise to develop and produce Electro-Optical payloads and Lasers for Scientific research and Earth Observation, Atomic Clocks for Navigation, Robotics space arms, Space Drills, Solar Panels, Attitude Sensors and Power Electronics.



## Thales Alenia Space

[www.thalesaleniaspace.com](http://www.thalesaleniaspace.com)

Thales Alenia Space is a Joint Venture between Thales (67%) and Leonardo (33%). Combining 40 years of experience and a unique diversity of expertise, talents and cultures, Thales Alenia Space designs and delivers high-technology solutions for telecommunications, navigation, Earth Observation, environmental management, exploration, science and orbital infrastructures.



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**ROME HEADQUARTERS**

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