



Australian Government

# Mission ready: Australia's space industry

Australia's space sector is taking off and offers huge opportunities for those wanting to work on emerging technologies.

Our emerging space industry is a magnet for the sector's best and brightest. Opportunities abound for businesses and talented individuals with expertise in:

- robotics and automation systems
- commercialisation of rocket technology
- nano and small satellites
- launch vehicles and facilities
- propellants and fuels
- payloads, sensors and communications arrays
- position, navigation and timing tools
- solar panels
- structural components and optical wireless
- communication technologies
- aerospace medicine
- remote health.



Australia is on a trajectory to grow a A\$12 billion space industry and create 20,000 new jobs by 2030. We have a suite of incentives, grants and support programs to help businesses and talented individuals bring their expertise and ideas to our shores.

**Join us as we lift off towards a galaxy of opportunities.**

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# Out-of-this-world funding for sector growth and talent attraction

**Through the Australian Government's Advancing Space: Australian Civil Space Strategy, we're growing a globally recognised space sector that exports to international markets and supports national and international space missions.**

This decade has already produced some major highlights, including:

- an agreement with NASA for an Australian-made, semi-autonomous rover to be part of a future mission to the Moon
- a A\$1.2 billion National Space Mission for Earth Observation, which will see Australia design, build and operate four new satellites
- the announcement of a Space Strategic Update that will set a nationally aligned vision through to the 2040s.

Our vision for space is also backed by more than A\$2 billion of direct investment into the civil space sector, including:

- A\$150 million for the Moon to Mars initiative, that supports Australian companies to get involved in NASA's plans to return to the Moon and then on to Mars.
- A\$160.9 million of Australian Government investment to develop the Southern Positioning Augmentation Network.

- A\$65.7 million for the Fast Tracking Access to Space initiative, that will get Australian technologies into space sooner and make our nation a leading launch destination. This includes A\$30 million for the procurement and provision of spaceflights, and co-investment of over A\$30 million to support the development of up to three new or existing complementary spaceport sites across Australia.
- A\$55 million for the SmartSat Cooperative Research Centre, a consortium of industry and research organisations focussed on developing new space technologies.
- A\$40 million for the International Space Investment initiative, to help unlock international space opportunities for Australia.
- A\$19.5 million through the Space Infrastructure Fund to build space payload qualification capability and capacity and test mission-ready space equipment.

The Government has also committed to significantly increasing investment in Defence space capabilities by investing around A\$7 billion this decade to assure our access to space, space services and geospatial information. Australia's new Defence Space Command officially began operations in March 2022, underpinned by a Defence Space Strategy to guide its efforts and priorities.

## Space sector statistics

- The Australian space sector is growing at an annual rate of 7.1%, outpacing GDP.
- The total investment pipeline for the Australian civil space sector is worth approximately A\$2 billion.
- The market size of Australia's space industry is estimated to grow by more than A\$8 billion by 2030.
- Economic forecasting suggests as many as 30,000 people could be working in the Australian space sector by 2030.

## Our unique view of the galaxy

Australia's trusted reputation and partnerships with other important spacefaring nations provide a competitive advantage. We have established relationships and MOUs with several major space agencies, providing access to data, programs and global supply chains.

Australia has a uniquely clear view of the southern skies. Low noise and low light interference mean easy observation of satellites, space debris and space weather, and suitable locations for ground stations and calibration and validation sites.

Our geography offers further comparative advantages. Australia's proximity to the equator offers lift advantage to geosynchronous orbits and our southern latitudes offer access to sun synchronous orbits. This, combined with a low population density, makes Australia a versatile location for launch services.

Australia punches above its weight in technology-related fields and has a strong and growing research base in space-related R&D. Meanwhile, our track record of successful international collaboration includes Earth observation, space object tracking and communication, and globally recognised technical expertise, particularly in satellite communications, satellite imagery and Positioning, Navigation and Timing (PNT).





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## Successfully launched projects

The following projects have been funded and successfully launched under the Australian Space Agency's Space Infrastructure Fund.

- Funding of A\$6 million from the Space Infrastructure Fund helped Saber Astronautics to establish a national Mission Control Centre in Adelaide, enabling experts and researchers to control small satellite missions.
- Fugro Australia Marine will establish the Australian Space Automation, Artificial Intelligence and Robotics Control Complex (SpAARC) to encourage local R&D of remote asset management capabilities for use in space.
- The Pawsey Supercomputing Centre has established the Australian Space Data Analysis Facility to ensure the most effective use of space information.



## Australia is offering

- Fast track visas
- Facilitated relocation of company executives, key staff and their families
- The certainty of permanent residency
- Tailored advice to help kick start your Australian success
- Connections to industry and professional networks

## Who's eligible?

Highly skilled individuals with exceptional talent in their field, as well as Australian resident companies or foreign resident companies with a permanent base in Australia.



## Check out what Australia has waiting for you at:



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