

# Capability Statement

## Space\_sector

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South Australia is the centre-of-gravity for space in Australia and Lot Fourteen is the launch site for much of the sector's growth. With an industry of over 100 space-related organisations, the state is at the forefront of the nation's space endeavours, pushing the frontiers of innovation, driving collaboration, developing new technologies and growing an enduring sovereign space capability.

Lot Fourteen is a world-class innovation district, home to the Australian Space Agency, Responsive State Operations Centre, Bureau of Meteorology Space Weather Hub and SmartSat CRC alongside a thriving network of space startups and rapidly growing companies.

South Australia is playing a crucial role in supporting the Australian Civil Space Strategy 2019-2028 to triple the space sector's contribution to GDP to AUD\$12 billion per year and create an additional 20,000 jobs by 2030.

The Australian Space Agency, headquartered at Lot Fourteen, works across all levels of government, industry and academia to advance Australia's position in the global space economy.

Australia's Defence Space Strategy acknowledges the interplay of both sectors to protect Australia's national interests which is contingent on freedom to access space capabilities. The Defence and Space Landing Pad at Lot Fourteen provides a place for defence and space companies, from near and far, a safe space to land, assemble and deploy business activity in South Australia.

The South Australia's Space Sector Strategy offers a firm commitment by the Government of South Australia to drive the growth of South Australia's space sector. Plans are underway to establish a space manufacturing facility at Lot Fourteen, with \$20 million state government funding, which aims to accelerate the development of local space innovation into real world commercial technologies.

### Value proposition

Lot Fourteen is a world-class innovation district that offers:

- Co-location with defence, space, cyber and creative industries clusters enabled by critical technologies
- Close proximity to leading education and training institutions
- Avenues for collaboration between industry and research organisations
- Accessible CBD location with state-of-the-art facilities
- A focus on sustainability and wellbeing as a certified 6-Star Green Star Community and WELL Community Standard district.
- An emphasis on supporting First Nations people and culture.



### Specialisation at Lot Fourteen

Lot Fourteen's space ecosystem spans small satellite design and manufacture, including components and sensors; launch capabilities; mission control and ground station, communications and observations; connectivity and bespoke applications; and data analysis and processing, government and education, research and development.

For more information about the Space sector at Lot Fourteen or interested in tenancy please contact [tenancy@lotfourteen.com.au](mailto:tenancy@lotfourteen.com.au) or visit our website:

[www.lotfourteen.com.au](http://www.lotfourteen.com.au)



Responsive Space Operations Centre, Australia Space Discovery Centre, Lot Fourteen, North Terrace, Adelaide, South Australia.

## Future areas of growth

Australia is reliant on space-based and space-enabled technologies to tackle the critical global challenges in healthcare, energy, environmental resources, mining, bushfires and national security.

The emerging NewSpace industry provides phenomenal opportunities to support innovative commercial space endeavours seeking to achieve low-cost access to space and low-cost space technologies.

Lot Fourteen is well positioned to support future areas of growth with its increasing capability in communications and small satellites development and production.

## Partnerships and collaborations

Improving and monitoring water quality, crop health and bushfire resilience are all outcomes for Kanyini, a \$6.5 million, ground-breaking South Australian space services mission lifting off in 2024. The Government of South Australia has partnered with South Australian organisations to send a locally manufactured small satellite into low Earth orbit – the first State Government to embark on such a mission.

Headquartered at Lot Fourteen, the SmartSat Cooperative Research Centre, is leading the mission and application prototyping. Lot Fourteen tenants Inovor Technologies are designing, building and testing the satellite at the district and Myriota are providing Internet of Things (IoT) capability.

## Our future workforce

There are many opportunities for space education at Lot Fourteen:

- SmartSat CRC leads research and development and is actively building Australia's space industry workforce offering opportunities for PhD students and credential and micro-credential training.
- The Andy Thomas Space Foundation is recognised as Australia's National Space Not-For-Profit, supporting the education, innovation and outreach goals of the growing Australian Space Ecosystem - connecting the national community to space.
- Officially opened on 31 March 2021, the Australian Space Discovery Centre based at Lot Fourteen provides science, technology, engineering and mathematics (STEM) education, engagement and inspiration for young Australians through a highly interactive and engaging format.

## Key space tenants



Being in a CBD-based innovation district, puts us at a distinct advantage as we're co-located with our clients and partners, helping us innovate and continue to provide solutions to the defence and space sector.



Dr Matthew Tetlow, Chief Executive Officer, Inovor Technologies

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