

Space Industry
Association
of Australia

The national peak body for Australia's space industry

Member Capability Brochure



SIAA: Who We Are

SIAA is the peak body for the Space Sector in Australia. We provide a collective voice on behalf of over 80 domestic and international member organisations with capability across all aspects of Space activities. SIAA membership reflects a breadth and depth of capability, including launch providers, advanced manufacturing, law firms and professional services firms within a diverse membership of startups, small-to-medium sized enterprises ('SMEs') and aerospace primes.

SIAA has two membership tiers; Foundation and Corporate Membership.

SIAA Foundation Members are ambassadors for the Australian space industry and have an active role in shaping the SIAA industry policy agenda.

SIAA Corporate Members reflect a range of space and space-related organisations operating across the international space supply chain.

In 2025, SIAA will host the 76th International Astronautical Congress (IAC) in Sydney, with our co-hosts the Australian Space Agency and New South Wales Government.

For more information on SIAA and our member organisations please contact us at:

*operations@spaceindustry.com.au
@Space Industry Association of Australia
www.spaceindustry.com.au*

Equatorial Launch Australia

SIAA Foundation Member

Equatorial Launch Australia (ELA) owns and operates the Arnhem Space Centre (ASC), located 12.4 degrees south of the equator in Australia's Northern Territory.

Its strategic location enables ELA to offer multiple orbit options from equatorial, low, and mid inclination through to SSO/Polar, providing rocket companies and their payload customers operational freedom and simplicity for their launch and mission design.

ELA provides a full suite of launch services, supporting mission and launch:

- Mission/Launch planning and feasibility
- Australian Space Agency permit and regulation management
- Mission payload aggregation support (rideshare)
- Full scope launch preparation and conduct including: logistics, operations management and launch/range control and management
- Recovery of vehicles/stages
- Full test and range services available for both commercial and military customers using our Arnhem Space Test and Evaluation Range (ASTERTM)
- Payload management
- Rocket propellant/oxidiser/gas production, acquisition, storage and preparation

Winner of 'Launch Business of the Year' in the 2024 Australian Space Awards and finalist in five Australian Space Awards categories, as well as finalist in the InnovationAus 2024 Excellence Awards (Defence, Dual-Use and Space), ELA provides a world-class value proposition.

You build the rockets... we'll take care of the rest.



GPC Electronics

SIAA Foundation Member

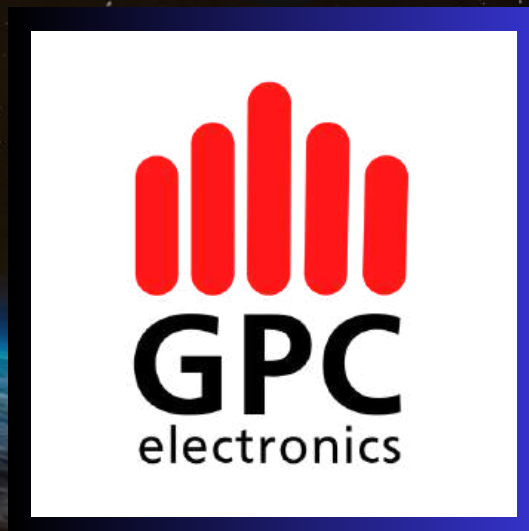
GPC Electronics is Australia's largest sovereign electronics contract manufacturer, with a specialised focus on Space, Aerospace, and Defence. Located in Penrith, NSW, our state-of-the-art facility spans over 10,000 m² and is equipped with the latest advanced manufacturing technologies to meet your PCB, LRU, satellite bus, and flight-ready satellite needs.

With a long-standing heritage of working with leading Defence/Space primes, GPC Electronics has established itself as a trusted partner in delivering high-reliability defence projects. Our experienced team supports customers with Design for Manufacturing/Testing (DFx) services, guiding you through the entire design process from prototyping to production stages. We ensure top-tier quality, optimised costs, and complete traceability at every production stage.

GPC Electronics offers comprehensive testing capabilities, including Automated Optical Inspection, X-Ray Inspection, In-Circuit Testing, Flying Probe Testing, and Functional Testing in thermal and environmental conditions such as "shake-and-bake."

Our robust Quality Management System is certified to the highest standards, including ISO9001 (Quality), AS9100 (Aerospace, Space, and Defence), ISO27001 (Information Security Management System), ISO14001 (Environmental), RoHS, and Defence Industry Security Program (DISP) accreditation.

GPC Electronics recently invested in a new dedicated defence manufacturing facility spanning 1800 m², further strengthening its commitment to supporting high-reliability defence programs. This expansion, combined with existing cutting-edge facilities, advanced manufacturing expertise, and extensive testing capabilities, ensures our customers' mission success—both on the ground and in orbit. Our electronic modules are onboard operational spacecraft with proven space heritage, paving the way for your mission's success.



Lockheed Martin Australia

SIAA Foundation Member

Lockheed Martin Australia is engaged in the development, integration and sustainment of cutting-edge defence technologies. Lockheed Martin Australia's capabilities span all domains from space to undersea, and bolster the Australian Defence Force's ability to operate in highly contested environments. Front-line capabilities include the F-35 and Aegis combat system, joint all domain battle management, resilient and agile space capabilities, long range strike systems, and advanced training, sustainment and logistical solutions, including rotary aircraft and medium air mobility platforms. Lockheed Martin Australia has a deep commitment to Australian industry, and a vision centred on building long-term stewardship, while ensuring a high-degree of interoperability and connectivity with allies and partners.

The company has been operating to support Australian requirements for over 70 years across aerospace, defence and civil sectors. Today, this extends to work across a number of Australian space programs; such as SouthPAN, a second generation SBAS, on behalf of Australia and New Zealand. Beyond their principal centres, Lockheed Martin Australia hosts a Tracking, Telemetry and Control ground station at Uralla, NSW. The Uralla facility provides Transfer Orbit Support Services and Initial Orbit Testing for satellites after they have been launched for commercial and government customers. The facility also forms a critical component of global earth station facilities used to support commercial satellites through launch and transfer orbit into the satellites' intended final location in geostationary orbit, whilst additionally providing communications during satellite testing.



Northrop Grumman

SIAA Foundation Member

Northrop Grumman Australia is a defence and space company that operates across space, aeronautics, cyberspace and defence industries. With over 60 years of space heritage, the company has over 800 employees based in its 11 sites of operation across the country.

Northrop Grumman Australia’s domestic capabilities span multiple domains, from sustainment and modernisation, to integrated systems, secure network solutions, and defence. The company has an established relationship with the Australian Government, including a strategic partnership with the Australian Defence Force of over 20 years, alongside work with academia and leading small and medium-sized businesses across industry. Northrop Grumman Australia’s capabilities in the space sector include operating as the prime system integrator on the government’s Joint Project 2008 Phase 5B2. The project provides the Satellite Communications Ground Station-East and wideband satellite communications Network Management System for the Australian Defence Force.

In November 2022, Northrop signed a six-year agreement with SIAA member Quickstep Holdings Ltd under an existing MoU. The agreement pertains to the supply of components from Quickstep to support Northrop’s global aerospace program.



Norton Rose Fulbright

SIAA Foundation Member

Norton Rose Fulbright are among the few global law firms in the world able to offer advice from key geographic locations which are home to some of the world's most robust space programs and private space ventures.

The ongoing expansion of the space industry will continue to be underpinned by dynamic technological advances, including development of reusable launch rockets, nano and mega-constellation satellites, low Earth orbit space stations and the use of robotics and AI-powered imagery, monitoring and communications – areas in which we have critical relevant legal experience.

Our lawyers are able to draw upon cross-border experience across many of our core industries – technology, energy, aviation and transport, infrastructure, government relations and public policy, insurance, environmental law and ESG, life sciences and healthcare, pharmaceuticals, banking and finance, antitrust and competition, telecommunications, security and defence, risk and regulatory, and tourism – to offer a full-service experience for clients at all stages and levels of commercialized space and satellite projects.



NSW Government

SIAA Foundation Member

The NSW Government and Investment NSW oversee and supports NSW businesses in six priority sectors, including Defence and Aerospace.

The NSW defence and aerospace sector is underpinned by a strong industrial base, end-to-end supply chain capability and capacity and the largest industry footprint of all Australian states. NSW has a deep and complex industrial base which includes capabilities in materials research, industrial design, ICT and complex systems integration. 41% of Australia's space businesses are based in NSW and space industries and agencies in NSW generate up to 75% of Australia's space-related revenue generation.

As the State's premier investment attraction agency, Investment NSW is committed to growing jobs, attracting investment and delivering innovation in our defence and aerospace sector – now and into the future. Investment NSW is working with companies to relocate into and expand within NSW. To create a platform for these companies, Investment NSW consults widely across industry, and engages research institutions and across government to design and deliver tailored programs which reflect domestic and global trends.

NSW Government recently launched the NSW Space+ Program, committing \$500,000 to the program supporting NSW businesses in commercialising and showcasing their world-leading capabilities to a global audience at the upcoming 76th International Astronautical Congress (IAC) in 2025.



Optus

SIAA Foundation Member

Optus is Australia's most experienced satellite owner and operator, with satellite services across Australia, New Zealand and with availability to McMurdo Sound in Antarctica.

For more than 35 years, Optus has been Australia's leading satellite provider, launching 10 satellites, operating 13 spacecraft and providing support to over 100 international space programs. We're also Australia's second largest telecommunications company, providing national mobile networks, fixed networks and geostationary satellites. We deliver next-gen Defence space solutions in the Asia-Pacific – with vast experience launching and operating bespoke space programs. Our Professional Services include space training, payload design, software development, Telemetry, Tracking and Control (TT&C) and offer GEO Spacecraft Hosted Payloads and LEO Services for Asia Pacific.

We work closely with global partners and continue to be at the forefront of utilising cutting-edge space technology and employing, as well as training, highly skilled space talent.



OPTUS

SIAA Corporate Members

Accenture Australia



Accenture is driving space innovation, helping clients leverage geospatial intelligence for environmental monitoring, emissions detection, and disaster response, while eliminating connectivity gaps through satellite technology. With extensive experience in Aerospace and Defense, Accenture offers advanced capabilities tailored to the Australian space sector. This includes building and integrating software for spacecraft missions, mission control centers, and satellite operations, along with expertise in digital engineering and manufacturing using 3D simulation, AI, and digital twins for agile and sustainable space missions.

Accenture's Earth observation capabilities use AI and machine learning to convert satellite data into actionable insights for resource management and environmental sustainability. In satellite communications, Accenture supports off-grid broadband, IoT data retrieval, and emergency communications. Their space-enabled sustainability initiatives assist businesses and governments in managing environmental challenges like deforestation. With 774,000 employees across 120 countries, Accenture aims to be a key partner in advancing Australia's space industry and addressing critical challenges through innovative space solutions.



ACT Government



The Australian Capital Territory (ACT) is a vibrant hub for space activities, driven by a unique combination of innovative companies, world-class research, and supportive government initiatives. It boasts some of the most advanced space industry infrastructure in the Asia-Pacific region, facilitating major space missions. Key facilities in the ACT include the National Space Test Facility and the Heavy Ion Accelerator Facility at the Australian National University (ANU), the Australian National Concurrent Design Facility at the University of New South Wales in Canberra, and the Canberra Deep Space Communication Complex – one of three NASA Deep Space Network Facilities in the world. These facilities offer comprehensive services for designing, building, and testing spacecraft, as well as mission control and applications like earth observation. With companies like Skykraft working to revolutionise global air traffic management from space and institutions like ANU and UNSW Canberra leading research in astrophysics, space, and quantum technologies, the ACT plays a crucial role in the global space industry. Its collaborative environment fosters innovation and attracts talent, making it an ideal destination for businesses and entrepreneurs in space exploration and related technologies.



Amazon Web Services (AWS)



Amazon Web Services (AWS) for Aerospace and Satellite (A&S) helps customers innovate faster and makes it easier to imagine, design, launch and operate space systems. AWS combines the most advanced, secure cloud infrastructure, broadest service portfolio, and space industry expertise to help customers simplify missions, make operations more resilient and reliable, quickly and efficiently design spacecraft, and automate space data workflows. A&S aligns cloud capabilities to five solution areas: Smart Spacecraft Design and Manufacturing; Ground Services; Geospatial Analysis; Satellite Operations, Mission Planning and Management; and Space Research and Exploration. Learn how you can use AWS for your next mission and reimagine space exploration.



Aerospace and Satellite organizations utilising AWS include Australian precision agriculture company DataFarming who have used the technology to efficiently deliver satellite imagery data directly to Australian farmers. In-orbit satellite inspection company HEO Robotics utilises AWS technology to securely operate satellites and manage data from space.

Amentum Australia



A trusted partner to Australian Government clients, Amentum is a major service provider for some of the most critical national security capabilities. We manage critical infrastructure and facilities and work on major projects in the land, air, maritime, cyber, space, nuclear and digital domains to support the Department of Defence's multi-billion-dollar investment in enhanced capabilities.



With more than 880 engineers, project and programme managers, training specialists, cyber security consultants, facilities operations experts, essential workers, logistics and technical trades in Canberra, Sydney, Melbourne, south-east Queensland, Central Australia, Townsville, Adelaide, Perth, Newcastle and Nowra, the business has built a reputation for excellence in quality, performance, innovation, value for money and safety by delivering multi-disciplinary expertise on large and technically challenging projects for more than 27 years.

The Australian National Fabrication Facility (ANFF)



ANFF acquires cutting-edge micro and nanofabrication equipment, ensures its upkeep, and makes it accessible to anyone that wishes to use it. The network is able to exceed the aim of simply making equipment available, thanks to its expert engineers.

Our 100+ process specialists push ANFF's services further and lower the barrier to successful innovation by providing a mixture of advanced training, expert assistance and process development support that isn't available anywhere else, while continuing to make access to micro and nanofabrication equipment easy.



ANU Institute for Space



The Australian National University (ANU) Institute for Space (InSpace) is a cross-disciplinary organisation working to advance ANU space technology to benefit all Australians. With a strong heritage in space research, ANU established InSpace to harness space expertise across the University's 42 separate research schools.

Led by Director Professor Anna Moore, a member of the expert reference group that recommended the creation of the Australian Space Agency, InSpace brings together technology, law, science, economics, and social science research to grow Australia's commercial and scientific interests in the space industry. The InSpace team develops nationally significant space missions to benefit Australia and connects industry partners with multidisciplinary research teams to create holistic solutions to our nation's pressing problems.

The ANU is also home to world-class space infrastructure valued at more than \$200M, including space qualification and radiation testing facilities. It's building an advanced communication ground station to support the next generation of communication.

InSpace serves as a strategic gateway for engagement across industry, government and the research sector to accelerate our national and international capability to benefit all Australians.



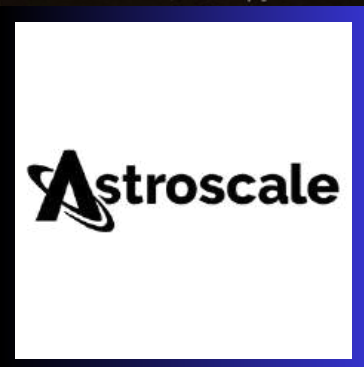
AROSE



AROSE is a not-for-profit, industry-led consortium with a vision for Australia to be the leading, trusted provider of Remote Operations science, technology, and service, on Earth and in Space. Standing at the forefront of knowledge and technology transfer between Australia's traditional industry sectors and the burgeoning international Space sector, AROSE brings these sectors together to collaborate on targeted, industry-led projects with Australia's world-leading Remote Operations expertise at their core. Capabilities listed are reflective of AROSE's capabilities and the capabilities of its consortium.



Astroscale



Founded in 2013, Astroscale is a satellite manufacturing company specialising in on-orbit servicing, with a dedication to the safe and sustainable development of space. Headquartered in Tokyo, Japan, Astroscale has a global presence with subsidiaries in the United Kingdom, the United States, France, and Israel. Since the company's first successful launch in March 2021, Astroscale has provided rendezvous and proximity operations technologies in orbit during the ELSA-d and ADRAS-J missions.

The company delivers a variety of innovative and scalable on-orbit servicing solutions, including life extension, in-situ space situational awareness, end-of-life, and active debris removal. These solutions are intended to empower satellite operators to reduce risks, increase returns, and achieve mission success while fostering a sustainable space environment. Astroscale is also collaborating with government and commercial stakeholders to develop norms, regulations, and incentives that promote the sustainable growth of space. The company's services include End of Life (EOL) for the prepared removal of commercial LEO satellites, Active Debris Removal (ADR), Life Extension (LEX) in geostationary orbit, and finally, In-Situ Space Situational Awareness (ISSA)."



Av-Comm Space and Defence



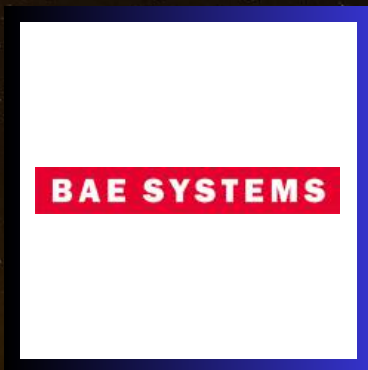
Av-Comm Space and Defence builds and sustains satellite ground stations for government and defence clients, offering Australian capability with local manufacturing experience. Av-Comm's team of specialists are experts in field engineering and technical services, project and risk management, maintenance and sustainment, and system design and manufacturing.

Led by Chief Executive Officer Michael Cratt, Av-Comm's mission is to promote the critical role the ground segment plays in the Australian space ecosystem to ensure the endurance and efficacy of Australia's long-term space capability. Av-Comm's important work actively promotes and builds Australia's local skills and infrastructure in the establishment and sustainment of satellite ground stations.

Av-Comm aim to help people understand the impact space has on their everyday lives: from simple things like the GPS on your phone and the meteorological data used in our weather predictions, to monitoring our borders and keeping our men and women in uniform safe, we're often using satellites without even knowing it.



BAE Systems



BAE Systems is a defence and security company headquartered in Edinburgh Parks, South Australia. The company delivers a wide range of advanced defence, aerospace and security services for clients across the Australian Defence Force, cyber intelligence and commercial organisations around Australia. BAE Systems offers total capability in areas ranging from through-life support, security, logistics and systems integration.

BAE Systems showcased its Azalea satellite cluster which is composed of three multi-sensor satellites from BAE Systems & In-Space Missions, and one SAR satellite in partnership with ICEYE. The Azaléa satellites will use sensors to collect visual, radar and radio frequency data, which will be analysed through on-board machine learning on edge processors to deliver the resulting intelligence securely, while still in orbit. The satellites will deliver global coverage every few days and deliver coherent ISR sensing for civil and security use.



Bartier Perry



From scientific endeavours to commercial ventures, government initiatives to educational pursuits, Bartier Perry lawyers collaborate closely with both international and domestic businesses to drive success within Australia’s space economy.

With our understanding of the regulatory landscape and legal intricacies, we guide businesses through compliance challenges and mitigating risks, ensuring they are well-equipped to seize the vast opportunities both on Earth and in outer space.

We support startup ventures and seasoned players in the aviation and space industry including manufacturers, researchers, venture capitalists and government agencies. Whether you’re a provider of technology or telecommunications services, developing launch sites or managing satellite networks, we can provide end-to-end legal advice on space infrastructure projects.

Through our support and involvement in the space industry, including as members of the Space Industry Association of Australia and AmCham’s Space Committee, we make sure our clients benefit from our knowledge of both the industry and the law.



BlackSky



BlackSky is a leading provider of real-time geospatial intelligence. BlackSky delivers on-demand, high frequency imagery, monitoring and analytics of the most critical and strategic locations, economic assets, and events in the world. Based in the United States with a presence in Australia. BlackSky is proud to be a member of the Space Industry Association of Australia (SIAA) and be part of its mission to empower Australia’s industry to build a professional, sovereign, and sustainable national space economy.

BlackSky designs, owns and operates one of the industry’s leading low Earth orbit small satellite constellations, optimized to capture imagery cost-efficiently where and when our customers need it. BlackSky’s Spectra AI software platform processes data from BlackSky’s constellation and from other third-party sensors to develop the critical insights and analytics that our customers require.



Blacktree Technology



Blacktree Technology specialises in mission-critical communication solutions in urban, remote and military operating environments, drawing on our knowledge of technologies including: Narrowband and Wideband Satcom.

Our key capabilities include:

- Narrowband and Wideband SATCOM - UHF, L, C, X, Ku, Ka bands; SATCOM-On-The-Move (SOTM); SATCOM-On-The-Pause (SOTP)
- Terrestrial Communications - Commercial HF, VHF and UHF systems; licensed and public spectrum microwave; DSL, Fibre Broadband radio, LTE systems.
- RF Component Manufacturing - UHF SATCOM helical antennas, redeployable bifilar helical antennas, antenna pedestals, bandpass filters, diplexers.
- Monitoring and Management Systems - RF isolation switches, RadHaz management, RF power sensors, directional couplers.

Our products are installed in Commercial, Industrial and Defence facilities across Australia, Asia, Europe, and the United States.

Canberra Airport



Situated 6km from Canberra's central business district, and 6km from Parliament House, Canberra Airport is a world-class multi-award-winning secure aerospace facility. As a strategically important aerospace hub, Canberra Airport is uniquely positioned to be a critical link within the Australian Capital Territory Region space ecosystem. Canberra Airport specialises in delivering secure facilities and infrastructure for aerospace users suitable for utilisation as headquarters accommodation, maintenance, test and evaluation facilities, ground station/communications operations and defence and civilian aircraft movement and handling infrastructure.

Critical to supporting aerospace systems, manufacturing and logistics, Canberra Airport is equipped for 24-hour operations, has full international capability, and has no curfew operating constraints. At 3.2km long, Canberra Airport's main runway is Code E compliant with CAT II capabilities allowing the facilitation of low-level visibility operations. Canberra Airport is capable of handling unique and wide-bodied aircraft including Antonov and Boeing 747s.

Capricorn Space



Capricorn Space provides ground segment services to the satellite industry from its initial site at Mingenev in remote Western Australia. Clients utilise our high-performance infrastructure (power, communications and on-site support) to rapidly establish their own ground station presence in the Southern Hemisphere. Our site is strategically located below the Asian corridor and borders the expansive Indian Ocean region, plus benefits from operating within a declared Earth Station Protection Zone – meaning clients can operate without background terrestrial interference and, significantly, enjoy a straightforward radio-spectrum licencing process.



If Southern Hemisphere coverage, ability to secure radio frequency licences and high-performance infrastructure are important to you then please connect with us at Capricorn Space.

CGI



Founded in 1976, CGI is an IT and business services consulting services firm operating across government and a range of industries to solve complex IT, systems integration, digital transformation, and cyber security challenges. The company employs over 92,000 professionals across 400 locations worldwide, and domestically has offices in Sydney, Melbourne, Brisbane, Hobart, and Adelaide.

Within the Space, Defence and Intelligence domain, CGI has worked in partnership with governments and businesses around the globe to deliver secure, mission-critical technology solutions. In Australia, CGI is building upon the company’s heritage to apply solutions from across commercial and government sectors to new ways of advancing defence and space clients’ missions. CGI’s solutions in the Defence, Space and Intelligence domain include, but are not limited to, secure space systems, space command and control, military space solutions and cyber security.



In February 2023, CGI was awarded a SmartSat CRC project alongside domain experts from Swinburne University of Technology and RMIT to develop a space domain awareness technology demonstrator. The output of the project will be used to enhance SDA operations in real-time during Sprint Advanced Concept Training (SACT) exercises. This year, CGI has continued to strengthen its commercial collaborations within the Space, Defence, and Intelligence sectors, expanding its presence in Canberra to capitalise on significant government opportunities.

Circuitwise Electronics



Circuitwise Electronics is an Australian contract manufacturer specializing in complex electronic devices. The company focuses on high-end manufacturing utilizing some of the world's most advanced electronics manufacturing equipment. It holds AS 9100D certification for quality management in the aviation, aerospace, and defence sectors, along with ISO 9001 and ISO 13485 medical grade certifications.

For more than 30 years Circuitwise has been partnering with ANZ technology companies to produce the highest quality, reliable electronics assemblies with 100% traceability of components and PCB's.



With the recent acquisition of Nautech Electronics, the Circuitwise Group now offers the most comprehensive suite of design, manufacturing, and testing services for the Australian and New Zealand markets.

Clifford Chance



Clifford Chance has a market-leading Space Group, comprised of specialists in our offices across the globe, offering unrivalled knowledge in the space sector. Our wide-ranging experience, which includes high-profile and market-leading mandates, gives us exceptional insight into the industry and enables us to help our clients anticipate issues and develop commercial solutions.

Space Group is a single global team delivering strategic advice to help clients stay ahead of the curve and outstrip the pace of change. Our capabilities across all practice areas and all geographical regions position us as an excellent partner for clients in the space sector. Our Space Group team members actively participate in global space organisations and thought leadership initiatives. Recent initiatives have included: presenting on New Horizons in Air and Space Law: Treaties, Technologies, and Tomorrow's Challenges Conference (Singapore), discussing Accelerating Cislunar Developments at SPACETIDE 2024 (Tokyo) and presenting on the topic of Starbiration: Alternative Dispute Resolution to Pacify New Space Disputes at the Indo-Pacific Space & Earth Conference (Perth).



Curtin University



Curtin University, established in 1966, is a public research university based in Perth, Western Australia, with campuses worldwide, including Dubai, Mauritius, Malaysia, and Singapore. The university's research spans various fields such as agriculture, environmental studies, national resilience, biomedical science, structural engineering, and space.

Curtin is home to two major space research centers: the Space Science and Technology Centre (SSTC) and the Curtin Institute of Radio Astronomy. The SSTC, with partnerships including NASA and Lockheed Martin, hosts the largest planetary research group in the Southern Hemisphere. The university specializes in Earth and planetary science, innovative technologies, radio astronomy, space missions, and space situational awareness. Curtin also leads the Murchison Widefield Array project, a low-frequency radio telescope in Western Australia, which serves as a precursor to the Square Kilometre Array—the world's largest radio telescope. In August, Curtin launched three satellites—Binar-2, Binar-3, and Binar-4—to the International Space Station, completing its 1U small satellite platform.



C4 Space



C4 Space is a specialised support services provider for the Australian space industry, based in Adelaide, South Australia. Our mission is to support the development, success, and sovereignty of the Australian space sector. C4 Space is committed to advancing the space industry through impactful research, education, and training. Leveraging our expertise in research and through close collaboration with space organisations, C4 Space generates actionable insights that enhance and inform business strategies within the space sector. Through recent collaborations with accredited training providers, regulatory bodies, and government entities, C4 Space has helped bridge the gap between existing educational curricula and the rapidly evolving demands of the space industry. Our initiatives empower space organisations and equip professionals with the skills needed to stay ahead of industry trends and technological advancements. We can help organisations assess market conditions, support emerging technologies, and manage potential risks, which is critical for strategic planning, product development, and operational optimisation. Our unwavering commitment to excellence has established us as a trusted resource for government agencies and space organisations looking to strengthen their business outcomes through data-driven decisions.



Deloitte



Deloitte Space is a global end-to-end professional services practice dedicated to advising organisations on the full possibilities of space, from strategic advisory to mission assurance supporting the deployment and operating of space systems and services.

Building on more than 15 years of space domain experience, Deloitte offers a unique depth and breadth of space experience through a globally connected space practice with clients across the civil, defense and commercial sectors.



Deloitte's space-related offerings span multiple areas and are dedicated to advising organisations, whether those organisations view space as their mission, their business of today or a future growth opportunity.

Deloitte's GRAVITY Challenge began in Australia in 2019, with the goal of bringing market demand and technical experts together to solve some of the world's most pressing issues using space enabled technology and capability. With 14 countries involved, the program invites forward-thinking public and private organisations facing real world problems, and Innovators with the skills to solve them, to participate.

Delta Tango Advisory



Delta Tango is a rising player in Australia's Space sector, providing expert services in end-to-end space capability project and program management, operations analysis, and human-centered design. Our team combines decades of experience across the Defence & Space, Banking, and Design sectors to offer in-depth and dedicated partnering in both traditional, and pathfinding space endeavours



EMA Advisory



EMA Advisory is an Australian-owned commercial consulting firm that provides commercial assistance to Federal Government and Defence. Our core functions are to support our clients to draft and review Commercial Policy and Governance frameworks, execute commercial strategies and manage large-scale complex commercial matters via an end-to-end support model. In particular, EMA Advisory specialises in supporting commercial arrangements to enable Australia’s space industry.

Our Space Capabilities Team hold qualifications in law and commercial management and undertake ongoing dedicated space industry related training and keep up to date with strategic events to ensure they are best placed to support the acquisition and sustainment of Military & Commercial space capabilities. Our Space Capabilities Team works closely with Department of Defence, the Australian Space Agency and Geoscience Australia to deliver satellite services projects to the Australian Government. We also partner with Industry bodies, such as the Space Industry Association of Australia (SIAA) to stay connected with Industry and emerging Space issues.



EOS Space Systems



EOS Space Systems is a full-spectrum space and communications company that delivers Space Domain Awareness (SDA), precision optical equipment, and high-specification satellite and optical communications products and services. With Australian and international customers including a number of Australian government organisations and a range of allied civil, commercial and military organisations, EOS’s capability can be understood through their operation of Space Technologies, SpaceLink and EM Solutions. Space Technologies applies EOS-developed optical sensors to detect, track, classify and characterise objects in space. SpaceLink is launching a MEO satellite constellation to build communications services for the space economy and EM Solutions creates innovative global satellite communications systems and services. EOS Space Systems is passionate about building Australia’s sovereign industrial capabilities and the whole-of-nation benefits that onshore technological innovation can bring.”



EPE



EPE is Grantee for Trailblazer Moon to Mars Stage 1, and Consortium Leader for the ELO2 Consortium designing a lunar rover for the ASA.

Headquartered in Spring Hill, Brisbane, EPE's main activities are to operationalise and sustain capabilities for the Australian Defence Force, NZ Defence Force and a range of national security and emergency services organisations. The EPE Group has been operating for over 25 years and works with clients in AU, NZ, USA, EMEA and Asia. EPE operates the only NIST-standard robotics proving facilities in the southern hemisphere. It sustains over 250 robotic platforms and thousands of CBRN and other sensors for the ADF and develops novel robotic platforms for autonomous and remote operation in extreme environments.

EPE is veteran-owned and a specialist in delivery of capabilities for Counter-Explosive Hazards and Counter-Weapons of Mass Destruction. It provides a range of robotics, sensors, effectors, protective equipment, innovation services and training. It also works closely with Defence, Government, Research organisations and Industry to develop novel capabilities for clients.

Fleet Space Technologies



Fleet Space Technologies, Australia's leading space exploration company based in Adelaide, is revolutionizing critical mineral discovery with its space-enabled mineral exploration solution, ExoSphere, which combines the company's proprietary satellite network, 3D multiphysics, and AI to image mineral systems in real-time. Over 40 leading exploration companies like Rio Tinto, Barrick Gold, and Core Lithium have used ExoSphere's real-time 3D subsurface imaging on projects across five continents. In 2026, Fleet Space will deploy a lunar variant of its ExoSphere technology - SPIDER - on the Moon as part of a NASA CLPs initiative to advance humanity's understanding of the lunar regolith. Additionally, the company has delivered the world's smallest SATCOM-enabled satellites (Centauri 4 & Centauri 6), demonstrating a path to disrupt the multi-billion SATCOM market. Building on its exponential growth and sustained innovation in space technologies, Fleet Space was named "Australia's Fastest Growing Company" by the Australian Financial Review in 2023 and winner of the Innovation category at the 2024 Mining Technology Excellence Awards.

FOODiQ Global



FOODiQ is a global thought leader in food and nutrition research, education, and communication. We enable companies, organisations, and individuals to place food-based nutrition and health at the heart of their business strategies and lifestyle choices.

As changemakers in global human health and nutrition, backed by science, we are at the forefront of developments in space nutrition. Our CEO Dr Flávia Fayet-Moore is a space nutritionist, and has collaborated with TRISH to map the considerations in nutrition for the brain in deep space missions, and is currently working on getting a mushroom farm in space to solve both nutritional (vitamin D) and culinary (umami, low salt) needs of space nutrition for deep space exploration. She is also collaborating with ex chief scientist of NASA, Jim Green and is an alumna of the International Space University.

FOODiQ is a partner organisation of Plants 4 Space, and Flávia is part of their nutrition working group. Flavia values science, tech and adventure and is passionate about bringing her love for flying (pilot) and adventure (scuba diver) to space nutrition.



Fuchs Lubricants



Fuchs is a global Group with German roots that has developed, produced, and sold lubricants and related specialties for 90 years – supporting virtually all areas of application and sectors. With 58 companies and more than 6,000 employees across more than 45 countries the Fuchs Group is the leading independent supplier of lubricants with a product program comprising more than 10,000 products. In close contact with its customers, Fuchs develops holistic, innovative, and custom-made solutions for the most diverse applications.

Fuchs Australasia utilizes approximately 1,500 lubricants and related specialty products. We manufacture 96% of our volume at our two production facilities in Australia with an annual volume of >90 million liters of lubricants and over 4,000 tons of grease. Our manufacturing sites are accredited (ISO 9001, 14001, AS 4801 and IATF 16949). The Industrial & Specialty division is a team of eight Application Engineers with significant industry experience. Through the strategic acquisition of Nye Lubricants in 2020 the Fuchs group has developed capacity, and segment experience to become an industry partner supplying high-performance lubricants and specialty products in support of Space on-ground and in-orbit operations.



Gilmour Space Technologies



Gilmour Space Technologies is an Australian SME that is developing, manufacturing and launching Australian-made rockets and satellite platforms. Under a vision ‘All Orbits, All Planets’, the company is currently developing the Eris orbital rocket, to deliver more affordable and reliable launches into LEO. The company's CEO Adam Gilmour has indicated this will be “Australia’s first orbital rocket and first orbital launch attempt from a commercial Australian launch site.



Gungandji Aerospace



Gungandji Aerospace is a consulting company with over 100 years of civilian and defence experience, providing a range of Defence, Aviation and Space-based consulting services. Headquartered in Brisbane, Gungandji hosts locations on Ngambri, Naarm and Boorloo land. The company is proudly 100% Australian Aboriginal owned.



Gungandji Aerospace maintains consultancy relationships with stakeholders across both civil and defence aerodromes, air traffic control establishments, regulatory bodies and sovereign Defence industries. The company’s core capabilities include project management across aerospace and defence—from scheduling, stakeholder and cost management, as well as First Nations management. Gungandji’s driving mission is to “provide unmatched value-for-money by increasing Indigenous participation in Aviation, Space and Cyber domains, enabling Australian Defence Force Veteran employment and supporting opportunities to ‘Close The Gap’.

Heavy Ion Accelerators



The Heavy Ion Accelerators (HIA) is a network of high-energy ion beam accelerators which represents decades of strategic investment by the leading Australian universities, industry partners and the Australian Government. HIA is the National Collaborative Research Infrastructure Strategy (NCRIS) provider and a founding member of the National Space Qualification Network (NSQN), which has a \$1B worth of space qualification infrastructure for immediate, cost-effective testing and accelerated space mission design and delivery.



The Space Irradiation Beamline, hosted at our node at the Australian National University, can emulate the space radiation environment to test electronics, equipment and biological material under the most damaging ionising radiation conditions equivalent to those expected in orbit. This is a service that has never been offered in Australia at such high energies and with a broad range of beam species, ranging from protons at up to 28 MeV in energy, to gold ions at up to 350 MeV.

Our facility's advanced capabilities, affordability, quick access, and collaborative approach position us to meet the rising demands of space exploration and satellite technology and enable Australia's space sector to reach its true potential by increasing understanding of radiation-induced mission risks.

HEO



HEO delivers on-demand non-Earth imagery and insights of spacecraft of interest at scale to government, defense, and commercial customers using a growing constellation of in-space sensors. HEO partners with Earth observation satellite constellations and launches its own non-Earth imaging (NEI) cameras as hosted payloads with the goal to achieve proliferation of NEI sensors on all orbits in the Earth-Moon system. HEO is headquartered in Australia with offices in the UK and USA.



Hypersonix



Hypersonix Launch Systems ('Hypersonix') is an aerospace engineering, design and build company specialising in scramjet engines and hypersonic vehicles. The company has developed the hydrogen powered SPARTAN scramjet engine which has zero CO2 emissions and is capable of operation between Mach 5 and Mach 12. Hypersonix's headquarters is located in Brisbane, Australia and serves a global customer base.

Hypersonix is currently building its first aircraft, DART AE, a fully 3D printed hypersonic test bed manufactured from high temperature metal alloy that flies at Mach 7 and will launch in 2025. This initial flight program is funded by US Defence under the HyCAT (Hypersonic & High-Cadence Airborne Testing) program, together with federal grant funding from the Australian Government awarded in 2022. Hypersonix also has contracts with Kratos Space & Missile Defence Systems, Inc. in the USA, and the UK Ministry of Defence.



iLAuNCH Trailblazer



The iLAuNCH program is a consortium of three universities composed of University of Southern Queensland, the Australian National University, and University of South Australia. We are also joined by CSIRO and their considerable space capabilities. This program interfaces with over 25 industry partners around Australia and internationally who we leverage for support. The space related experience comes from over 30 professors advising 40 plus postdocs and over 60 PhD students across a wide breadth of space activities as well as over 20 researchers at CSIRO. We bring together the hypersonic testing capabilities of UniSQ, the space test capabilities at ANU with the National Space Test Facility as well as the National Space Qualification Network and space research performed at the UniSA in materials and manufacturing research.



Inovor Technologies



Inovor Technologies is a world-leading supplier of next generation small satellite technology and subsystems. Our unique low-cost, disaggregated technology has the flexibility to host an extensive range of technical applications including communications, remote sensing, imaging and scientific payloads. Our expertise are in bus platforms, with power systems, batteries, solar chargers, management units, solar panels, attitude control system, controller units, reaction wheels, star trackers, earth sensors, command and data handling systems, mission computers, UHF satcomms radios, payload edge compute units, and much more... With our in-house developed technology, we provide turnkey solutions for commercial, government and research clients wanting missions flown in space. Inovor has a resilient and secure supply chain offering reliability and security to our customers. Inovor also provides specialist services to Defence in the Electronic Warfare and Space Situational Awareness areas. We are positioned at the centre of Australia's growing space hub, and are owned and operated in Adelaide, South Australia.

KBR



KBR delivers science, technology and engineering solutions to governments and companies around the world. Combining global expertise with local experience, KBR employs 30,000 people in 34 countries.

KBR has an extensive history in space, providing the operations and configuration of over 700 spacecraft and supporting every US astronaut since 1968. Around 3,000 of our staff work in-house with NASA and have provided critical support to the International Space Station from its design and construction through to its continuously crewed operations today

KBR also has over 20 years-experience supporting the European Space Agency's Human Space Flight Program for the International Space Station. Our capabilities cover the entire spectrum of space-based activity, from Space Domain Awareness, mission planning and execution to astronaut training and spacecraft operations. KBR conducts scientific research and training simulations, perform extreme environment testing for space hardware and equipment, and provide the personnel for every console in NASA's mission control.

For 65 years, KBR and our heritage companies have proudly delivered some of Australia's most complex and challenging engineering projects. Today, we are leveraging our global space legacy to enhance and secure Australian operations through space domain awareness, satellite communications and C4ISR.

Kyndryl



Kyndryl is a multinational information technology infrastructure services provider operating in more than 60 countries around the world. The company has 90,000 employees operating globally, serving 75 of the Fortune 100. Kyndryl is committed to “the health and continuous improvement of the vital systems at the heart of the digital economy”; and the company’s underlying vision is “advancing the vital systems that power human progress”.

Kyndryl operates across the Automotive, Banking & Financial, Chemical, Oil & Gas, Communications and Media, Government, Defence and Space, Healthcare, Insurance, Manufacturing, Retail and Travel & Transportation industries. The company offers services including Data and AI, Cyber Resilience, Consulting, Cloud and Digital Workplace.



LatConnect 60



LatConnect 60 (LC60) is a public unlisted company head quartered in Perth with a Southeast Asian regional office in Kuala Lumpur. It is an end-to-end space based Earth Observation (EO) company that derives vital insights from satellite imagery fused with other forms of data. Insights are delivered as a service through customised platforms to empower government and commercial clients.

LC60 provides Space-enabled solutions, consisting of software platforms, data analytics algorithms and systems to aggregate sensors and data both on-ground and in-orbit. Its business strategy is aligned with current and future space Earth Observation and IoT markets that are advancing at a rapid pace.

LC60 has exclusive access to a very high-resolution multispectral satellite and is developing its own EO satellite constellation with novel sensors to meet growing global market demands for greater insights in sustainability. This was initiated earlier this year, when LC60 was the recipient of an International Space Investment (ISI) grant as part of the Australian Space Agency’s ISI India Projects program. The company was awarded nearly \$5.8 million to develop and build the first satellite in this constellation to collect information on carbon emissions.



Lunar Outpost Oceania



Expertise in designing and developing autonomous robotic systems to survive and operate in extraterrestrial and extreme environments.

Lunar Outpost Oceania is co-lead of the ELO₂ Consortium, awarded funding under the Australian Space Agency's competitive Moon to Mars Trailblazer Program to design and develop a lunar rover to collect and analyse regolith samples in support of the NASA and the Artemis Program.



Neumann Space



Neumann Space is an Australian owned company whose mission is to enable the sustainable economic development of Space. The company is focused on delivering superior mobility in space through the development and manufacture of simple, safe and efficient electric propulsion systems and the commercialisation of those products for satellites and spacecraft.

The Neumann Drive® marks a revolution in the field of satellite propulsion. Our lightweight products use our patented Centre-Triggered Pulsed Cathodic Arc Thruster (CT-PCAT) technology to convert solid conductive metal rods (including from recycled space debris) into plasma and produce thrust. Our product range creates value for our customers in all space operations and travel.

Neumann Space provides a sovereign in-space electric propulsion capability. With two in-orbit demonstrations completed last year, and another scheduled for later this year, we are now ready to take orders.



NorthStar Earth & Space



NorthStar’s endeavour is to empower humanity to preserve our planet through a unique Space and Earth information & intelligence platform using space-based sensors. NorthStar strives to help transform the way governments, industry and institutions assess risk, enforce regulations and make decisions to foster the sustainable development of our earth and space environment.



NorthStar’s unique first of its kind space-based commercial Space Domain Awareness services address many of the critical and immediate challenges facing all satellite operators, defense and intelligence communities. Striving to see every object in every orbit with minutes of revisit time, NorthStar will deliver high-speed, decision quality information services, derived from its unparalleled coverage, object custody, and enhanced predictive analytics.

Nova Systems



Nova Systems is an Australian owned and operated engineering services and technology solutions company with more than 1000 team members and subcontractors, and offices in Australia, the United Kingdom, New Zealand, Singapore and Norway. With hands-on experience in Space programs, Nova Systems’ Space Portfolio draws upon experienced engineers and technicians to support delivery in satellite design, assembly, test and integration (AIT), space mission and operations support, ground station support and systems engineering in the space domain.



Across a range of government and industry clients, Nova Systems supports the delivery of complex space and satellite communication programs, provides support services, and delivers both ground and space-based elements of space capability. The company’s engineering and advisory services include mission analysis, space domain awareness, ground station provision and launch safety and regulatory support, and training.

The Nova Systems Space Precinct, located in South Australia, delivers ground segment services to satellite owners and operators, with the company planning to develop a series of satellite ground segment facilities around Australia. The precinct is designed to meet the needs of satellite missions launched in LEO, MEO and GEO orbits.

Nova Systems supported the Australian Space Agency as technical advisor during the launch of NASA rockets for the first time from an Australian commercial site at Arnhem Space Centre. Last month the company announced an initial investment of \$2 million towards establishing Australian-first Test and Evaluation Centre of Excellence, aimed at supporting the nation’s sovereign defence capability.

NSW Space Research Network



The NSW Space Research Network (SRN) is a funding provider and coordinator of space research and activities in NSW and ACT universities. As part of its work the Space Research Network conducts development focussed programs for space research and outreach programmes to engage people interested in pathways into the space sector.



One Giant Leap Australia



One Giant Leap Australia Foundation is a not-for-profit organisation working to advance STEM and space education and careers by providing opportunities for students and educators to develop their STEM knowledge.

One Giant Leap Australia Foundation offers a wide range of educational programs that cover space science, technology, leadership and space exploration. This includes the Seeds in Space program, investigating the effect of microgravity on plant growth in comparison to seeds on earth, as well as the Asian Herb in Space program that allows Australian students to conduct an experiment using basil seeds provided by JAXA.



In collaboration with former NASA astronaut Greg Chamitoff, One Giant Leap Australia Foundation also runs Space Teams, a virtual space mission providing students with the opportunity to work in teams to conduct their own human space exploration. The Foundation also works to increase the number of women and girls engaged in STEM through the Gadget Girlz program. This program engages a wide range of girls around the world to increase confidence, leadership, communication and STEM awareness.

To celebrate IAC 2025, One Giant Leap Australia will launch Space-Ship 2025, an educational and fun cruise for the whole family. Setting sail after IAC 2025.

Planet



Planet is a leading provider of global, daily satellite imagery and geospatial solutions. Planet is driven by a mission to image the world every day, and make change visible, accessible and actionable. Founded in 2010 by three NASA scientists, Planet designs, builds, and operates the largest Earth observation fleet of imaging satellites. Planet provides mission-critical data, advanced insights, and software solutions to over 1,000 customers, comprising the world’s leading agriculture, forestry, intelligence, education and finance companies and government agencies, enabling users to simply and effectively derive unique value from satellite imagery. Planet is a public benefit corporation listed on the New York Stock Exchange as PL.



Plants for Space



The ARC Centre of Excellence in Plants for Space (P4S) is an international research consortium building novel solutions for long term space habitation and on-Earth sustainability. P4S is developing technologies to enable humans to survive and thrive in space, reducing the dependence on constant resupply, and using this lens to transform the sustainability of food and bioresource production on Earth. The underlying mission of P4S is to re-imagine plant design & bioresource production, through the lens of Space, to enable off-Earth habitation & provide transformative solutions for improving on-Earth sustainability.

The Center is a transdisciplinary endeavour involving multiple skillsets from systems and process engineering, plant biology, food chemistry, psychology, education and space law. The national and international consortium has representation across a diverse range of industries, including space, controlled environment agriculture and food manufacturing. P4S will have a standing load of 200 Australian based researchers by 2026 located at the Universities of Adelaide, Flinders, Melbourne, La Trobe and Western Australia, and aim to train over 400 researchers by 2031. P4S researchers are part of a team selected by NASA to grow plants on the surface of the moon and return them to the Earth as part of Artemis III.



Quasar Satellite Technologies



Quasar Satellite Technologies focuses on providing a world-leading ground station service for satellite operators and users. Created in 2021 from a partnership with the CSIRO, Quasar's work is underpinned by a mission to provide scalable, cost-effective ground station service solutions for space communications and space domain awareness. Through the company's ground station technology, Quasar can support hundreds of satellite communications simultaneously with a single compact antenna. Operationally, Quasar is addressing the fundamental problems of capacity, cost, sovereignty and interoperability. The company strives to drastically lower the cost of doing business in space through their disruptive satellite technologies, whilst fundamentally changing how communication between earth and space is conducted. Quasar Satellite Technologies announced that the company has been awarded a \$5.3M Defence Innovation Hub contract for space communications and space domain awareness. The contract will facilitate the further development of Quasar's multibeam phased array ground station system, which is intended to support hundreds of satellite communications simultaneously with a single compact antenna.



Raytheon Australia



Raytheon Australia is a Defence and Space Manufacturing company, as well as a lead provider of whole-of-life capabilities for the Australian Defence Force. The company was established in 1999, and is headquartered in Canberra, ACT. Raytheon Australia employs over 1,500 employees, including over 700 engineers and technicians across the country. The company's commitment to developing Australian Industry Capability is ingrained across Raytheon Australia's programs, as well as the company's investment in local SMEs to grow Raytheon's existing supplier portfolio.

The company's capabilities span across Above Water Systems, Joint Battlement Systems, Guided Weapons, Space & Mission Systems and Under Water Systems.



Within the Space & Mission Systems domain, Raytheon Australia delivers multi-domain solutions for clients, providing tactical and strategic satellite communications, space situational awareness, cyber security and asset management. Raytheon leads the management, design and operations of C-Band Radar and Space Surveillance Telescope for both the Royal Australian Air Force and United States Air Force.

Raytracer



Raytracer is a space and defence-focused SME headquartered in Queensland. The company’s capabilities include robotics, AI, spatial computing and prototyping for space and defence applications. Raytracer’s mission is to “enable safe and effective work in challenging and remote environments”

In 2020, Raytracer was a recipient of the Australian Space Agency’s International Space Investment initiative to develop their Titan Lake project. The Titan Lake project delivers world-first underwater Virtual Reality (VR) simulations to train astronauts in underwater conditions. The various simulations under Titan Lake allow astronauts to experience the weightlessness of space under neutral buoyancy conditions. The technology intends to deliver accessible and efficient training for future manned missions to space.

Raytracer’s other major product is CARBON - a command and control stack that utilises that latest in robotics, spatial computing and AI technologies to force multiply exploration and remote operations in space. CARBON has been supported under the Australian Space Agency’s Moon to Mars Initiative, and Raytracer is currently partnered with SIAA Foundation Member Optus to utilise CARBON on their upcoming D3 Life Extension Mission.



RMIT University Space Industry Hub



The RMIT Space Industry Hub brings together industry, academia, government, entrepreneurs, and start-ups, to facilitate collaboration, build capability and develop a skilled workforce to meet projected sector growth in the State of Victoria. The Hub also hosts the Victorian node of the SmartSat CRC, connecting Victorian capability with the national ecosystem and serving as a delivery vehicle for projects which align with the CRC’s research priorities. The Hub serves as an access point for engagement with international space agencies through existing intergovernmental agreements between various countries, including the UK and the USA. Located in the heart of the city of Melbourne, the Space Industry Hub is the gateway to the breadth and depth of expertise, within RMIT, in advanced communications and IoT technologies, advanced satellite systems, sensors, next generation earth observation services, digital manufacturing for space, cyber and data analytics, spaceflight operations, and space life sciences.



Rocket Lab



Founded in 2006, Rocket Lab is an end-to-end space company with an established track record of mission success. Rocket Lab delivers reliable launch services, satellite manufacture, spacecraft components, and on-orbit management solutions that make it faster, easier, and more affordable to access space. Founded in New Zealand and headquartered in Long Beach, California, Rocket Lab designs and manufactures the Electron small orbital launch vehicle, a family of flight proven spacecraft, and is developing the large Neutron launch vehicle for constellation deployment. Since its first orbital launch in January 2018, Rocket Lab's Electron launch vehicle has become the world's third most frequently launched rocket and second most frequently launched U.S. rocket annually, and has delivered 190+ satellites to orbit for private and public sector organizations. Missions launched by Rocket Lab have enabled operations in national security, scientific research, space debris mitigation, Earth observation, climate monitoring, and communications. Rocket Lab's family of spacecraft have been selected to support NASA missions to the Moon and Mars, as well as the first private commercial mission to Venus. Rocket Lab has three launch pads at two launch sites, including two launch pads at a private orbital launch site located in New Zealand and a third launch pad in Virginia.



Romar Engineering



Romar Engineering specializes in providing bespoke solutions for fluid and motion control systems designed for space applications that are capable of operating in environments ranging from cryogenic to high temperatures/pressures of up to 10 MPa. We offer a comprehensive suite of services, including fully integrated project management, product lifecycle management, part manufacturing, component assembly, and rigorous testing for fluid and motion control systems. Our state-of-the-art facilities are equipped with advanced technologies such as metal 3D printing, 5-axis CNC machining, CNC lathe operations, and CMM inspection, all within a climate-controlled environment. Our fully automated testing facilities accommodate a wide range of conditions, from ambient to cryogenic, for both fluid and gas systems. All stages of design, development, production, and testing are supported by our highly experienced engineering team, which includes two PhD-qualified experts in material science. We are proud to maintain ISO 9001 and ISO 13485 certifications, with AS 9100 certification currently in progress.



Shoal



Established in 2001, and now with a presence across Australia, New Zealand, and the United Kingdom, Shoal's experienced team has led the development of the early-stage design and development for some of Australia's largest and most complex systems, across defence, space, transport and infrastructure. Shoal uses an entirely digital approach to complex systems design with strong capabilities in Model-Based System Engineering, Digital Engineering and Modelling, Simulation and Analysis to support the development and delivery of critical systems and assets, minimise risks, and maximise overall project assurance. This capability was demonstrated when Shoal's award-winning 'Shoal Aerospace and Risk Capability' (SHARC) was utilised by JAXA and the Australian Space Agency to help safely return the Hayabusa2 capsule containing the first sub surface asteroid samples to Earth in December 2020. Shoal is directly engaged in furthering the growth of the Australian space industry and was one of the earliest members of the Australian Space Agency's Support Services Panel that was created to help manage launch risks and safety concerns. The company was also a founding member of the SmartSat Cooperative Research Centre, located in Adelaide, which helps foster the development of Australian technologies that can be applied to advanced communications, satellite systems and Earth Observation data services.

Skykraft



Skykraft is an Australian space services company that specialises in the design, manufacture and operation of satellite constellations for the delivery of global services. Skykraft's satellites are fully reprogrammable in orbit, enabling rapid prototyping and development of new services after launch. This supports commonality in satellite production, reducing cost and provides extreme agility and responsivity in service delivery. Skykraft's satellite constellations can be adapted to a wide range of applications including: communications, command and control, intelligence, surveillance and reconnaissance, electronic warfare, air traffic management and positioning, navigation and timing, space-domain awareness and missile defence. Skykraft is currently focused on the development and deployment of a space-based Air Traffic Management (ATM) service.

Southern Launch



Southern Launch expands space exploration from the Southern Hemisphere with end-to-end launch and return services for your next space mission.

Our team of leading engineers, project managers, specialists, and regulation experts work with customers to manage all aspects of space launch and return.

Southern Launch secures all required approvals, including environmental approvals, to undertake space-related activities in Australia on behalf of our customers. Evidence of all permits secured under Australian legislation is provided for every mission.



We work with our customers to find the most efficient path to safe, successful and frequent launch and returns. Your mission. Our expertise.

South Australian Space Industry Centre (SASIC)



The South Australian Space Industry Centre (SASIC) is a South Australian Government entity which drives space industry innovation, research and growth in South Australia, with a vision to create a thriving and enduring space ecosystem. Home to the Australian Space Agency and over 100 space-related organisations, South Australia is the nation's centre of gravity for space. From small satellite design and manufacture to launch operations; mission control and ground stations; connectivity and bespoke applications; to data analysis and processing, the state's ecosystem is thriving, building on the opportunities of NewSpace. South Australia is the space to be.



Space Angel



Space Angel is revolutionising the aerospace industry by creating a regional space-industrial ecosystem through collaboration and a co-design approach for spaceport infrastructure. Key initiatives, such as the Australian Super Space Corridor and the Indo-Pacific Space Corridor, position Space Angel's spaceports in geopolitically stable locations with unique orbital capabilities, tapping into the growing launch market in the Indo-Pacific region.

The company's public-private partnership encourages collaboration among all stakeholders, ensuring their involvement in building the surrounding industrial ecosystems. Space Angel is also a leader in sustainability, developing green spaceports designed for spacecraft re-entry and rapid rocket launches while promoting innovation and environmental responsibility.

Space Angel aims to transform traditional launch sites into environmentally friendly hubs for commercial, scientific, and governmental missions by focusing on education, research and development, and cutting-edge technology. This interconnected ecosystem will drive economic growth, innovation, and STEM education, establishing Western Australia as a leader in regional development. The company's vision also incorporates defence capabilities into its spaceports, ensuring peaceful exploration and national security.

Space Machines Company



Space Machines Company (SMC) is a pioneering on-orbit servicing provider, offering "Roadside Assistance, In Space" for commercial and government customers. With a fleet of versatile Optimus Orbital Servicing Vehicles (OSVs), SMC delivers essential services such as rapid on-orbit inspection, monitoring, refuelling, debris management, and satellite life extension.

By focusing on space safety and sustainability, SMC is revolutionising the way we maintain and support human presence in space.

SMC provides on-orbit inspection and monitoring services to civilian, defence and commercial customers globally. In future, SMC will grow its fleet to provide debris management, repair, refuelling and life extension services.

Spire



Spire is a global provider of space-based data, analytics and space services, offering unique datasets and powerful insights about Earth so that organizations can make decisions with confidence in a rapidly changing world. Spire builds, owns, and operates a fully deployed satellite constellation that observes the Earth in real time using radio frequency technology. The data acquired by Spire’s satellites provides global weather intelligence, ship and plane movements, and spoofing and jamming detection to better predict how their patterns impact economies, global security, business operations and the environment. Spire also offers Space as a Service solutions that empower customers to leverage its established infrastructure to put their business in space.

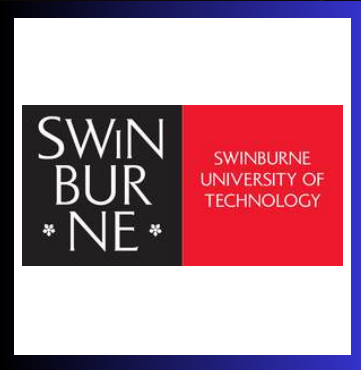
Spire offers Space as a Service solutions that empowers customers to leverage Spire’s established infrastructure to put their business in space. Space Services allows organizations to deploy and scale their own constellation at maximum speed and with minimum risk by leveraging Spire’s proven space platform, global ground station network, end-to-end manufacturing facility, and extensive launch partnerships.

Swedish Space Cooperation



The Swedish Space Corporation (SSC) is a global provider of advanced space services, with an underlying mission to ‘help Earth benefit from Space’. With over 50 years of experience in the sector, SSC partners with institutional and commercial customers worldwide. SSC’s advanced space services include a global network of Ground Stations for LEO, MEO, GEO, Lunar and Deep Space from 21 sites around the world, Launch (orbital and sub orbital), and Spacecraft Operations and Engineering Services. With approximately 600 employees around the globe, SSC has offices in Sweden, Germany, Italy, the Netherlands, Chile, Australia, the USA and Thailand; alongside a global network of ground stations. The ground station network is one of the largest in the world, supported by SSC’s 24/7 Network Operations Centres (NOCs) in Kiruna Sweden, and Horsham USA. SSC Space Australia is a ground station, engineering, operations, and maintenance company that has primary responsibility for SSC’s Western Australia Space Centre (WASC) near Perth. In addition to operating SSC’s satellite station equipment, the company also provides hosting, maintenance, and operations services for customers. SSC is in the process of commissioning the company’s first Optical Ground Station (OGS) which will be the first of several stations globally.

Swinburne University of Technology



Swinburne University of Technology has a legacy in space research having unique and unprecedented access to the Keck Observatory in Hawaii since 2008 through the University’s partnership with the California Institute of Technology and now via an independent and significant agreement. Swinburne has research programs in Astrophysics, Physics, Engineering, Automation and Control, Civil Engineering, Electrical and Electronic Engineering, Instrumentation and Industry 4.0, and Data Science. These research areas have contributed to the University’s expansion in space capabilities including the Space Technology and Industry Institute. Swinburne is one of only a handful of Australian universities with regular missions to space and was the first university to enable student-led research aboard the International Space Station. According to QS World University is one of the World’s top 300 Universities (2023) and ranked #61 in the world in space science.



Thales Group



Thales is a global leader in advanced technologies specialized in three business domains: Defence & Security, Aeronautics & Space, and Cybersecurity & Digital identity. The company has approximately 81,000 employees in 68 countries—guided by Exploration, Navigation, Telecommunication and Observation. Thales’ key markets include Aerospace, Defence & Security, Digital Identity & Security and Space. In the markets of defence and security, aerospace and space, digital identity and cybersecurity, Thales provides solutions, services and products to help its customers – companies, organisations and governments – carry out their critical missions. Thales Group invests close to €4 billion a year in Research & Development, particularly in key innovation areas such as AI, cybersecurity, quantum technologies, cloud technologies and 6G. A joint venture between Thales and Leonardo, Thales Alenia Space architects design and deliver high technology solutions for telecommunications, navigation, Earth observation, environmental management, exploration, science and orbital infrastructures. Thales Alenia Space is present in 10 countries with 17 sites in Europe and a plant in the US.



The University of Adelaide



The University of Adelaide, founded in 1874, is a leading public research institution in Adelaide, South Australia, with a mission to be a 21st-century university for Adelaide. It supports over 25,000 students and 3,500 staff, focusing on global connectivity, talent development, and future-shaping research. The university hosts the Andy Thomas Centre for Space Resources (ATCSR), dedicated to enabling sustainable human presence in deep space through advanced technologies in resource exploration and utilisation. ATCSR collaborates with academia, industry, and government on space missions and technology for lunar and Martian environments, featuring the unique Extraterrestrial Environmental Simulation (EXTERRES) Laboratory. Additionally, the university hosts the annual Australian Rover Challenge (ARCh), attracting international student teams to test rovers in off-Earth scenarios.



The University of Sydney



The University of Sydney is a global leader in robotics and intelligent systems, addressing challenges in space science and technology such as advanced composite structures, hybrid propulsion systems, unmanned aerial vehicles, and satellite systems. With its multidisciplinary expertise, the University develops solutions for security, defense, aviation, agriculture, environmental monitoring, and space exploration. It collaborates with national and international partners, including government agencies, research institutes, and industry experts, to explore new areas of space research. The University's advanced research infrastructure supports a range of projects, offering centralized facilities for research and testing. Key resources include the Sydney Informatics Hub (Artemis 3 Supercomputer), Sydney Manufacturing Hub, Sydney Nanoscience Hub, ViSLAB, and the Sydney Institute for Robotics and Intelligent Systems. Other specialized facilities like the Australian Centre for Field Robotics, CUAVA Training Centre, and the Flight Testing Facility enable cutting-edge research in propulsion, sustainable technology, and unmanned aerial systems, helping to advance the future of space technology and exploration.



University of New South Wales



Established in 1949, the University of New South Wales (UNSW) is a public research university based in Sydney. UNSW is comprised of seven main faculties, with campuses and sub-campuses across NSW, and UNSW Canberra in the ACT. UNSW Canberra Space is a leader in the field of advanced intelligent satellite systems, developing and providing space and artificial intelligence research, technology and education to help meet national and global needs. These needs include secure communications, environmental monitoring, data collection during extreme weather events and bushfires, maritime surveillance and mitigating space congestion risks. UNSW Canberra Space has forged relationships with Government, Defence and the international space community, positioning itself as a trusted partner that can meaningfully contribute to Australia’s emerging space capabilities. UNSW Canberra is educating the next generation of space professionals in this rapidly growing sector. UNSW Canberra Space research is aimed at evolving technologies that are essential in areas such as national security, environmental monitoring, emergency management and secure communications. The institution’s research priorities include Space Situational Awareness, Space Ethics and AI for Space.



University of Technology Sydney



UTS co-hosts the NSW Space Research Network and has world-ranked research expertise in robotics, telecommunications and AI. UTS Tech lab houses a dedicated 8,000 sqm facility for Defence and Space as part of a larger 18,000 sqm deep tech facility located in Botany just 10 mins from Sydney airport. Tech Lab has a wide prototyping and testing facilities for the manufacturing, assembly, integration and testing of space rated hardware that include a large workshop with CNC machines and 3D metal printers, a large RF Anechoic Chamber, and extensive colocation space for industry partners. Current partners include Space Machines Company, Advanced Navigation, HEO Robotics, VXB Aerospace, Metakosmos, Nokia, Forcys and Chaos1. These partners and UTS form an ecosystem that connects industry, researchers, and government to maximise impact.



Varda



Varda Space Industries is a defence and space manufacturing company based in California, USA, with an underlying mission to ‘expand the economic boundaries of mankind’. Varda designs, builds, and operates the platforms needed to make low Earth orbit accessible. The company is accelerating the development of commercial space infrastructure, from in-orbit production equipment to reliable re-entry capsules. Varda is working to create both the products and infrastructure that will materialise the benefits of space for life on earth.



On February 21, 2024, Varda landed Winnebago-1, the company’s reentry vehicle and orbital manufacturing platform, after a successful launch and orbital mission. Varda has plans to fly 4 missions in next year, with Winnebago 2 and Winnebago 3 landing at SIAA Member Southern Launch’s Koonibba Test Range in the first half of 2025.

Ventia



Ventia is a leading essential infrastructure services provider in Australia and New Zealand, proudly providing the services that keep infrastructure working for our communities. Ventia is an Australian Securities Exchange (ASX) top 200 company, with a secondary listing on New Zealand’s Exchange (NZX). We specialise in the long-term operation, maintenance and management of critical public and private assets and infrastructure, including Defence and Space telecommunications infrastructure networks and assets.



Ventia manages the most comprehensive portfolio of digital infrastructure in Australia and New Zealand. With expert in-house ICT capabilities, Ventia has delivered telecommunications related projects and services of national significance for over 25 years. Our telecommunications teams provide end-to-end service capabilities that span design, supply, construction, installation, commissioning and maintenance of some of the region’s largest fibre optic, mobile and critical telecommunications networks and digital infrastructure

Viasat



Viasat is a global communications company and provider of high-speed satellite broadband services and secure networking systems. The company provides satellite data and other services for land, air, sea and beyond—with locations across the US and 20+ other countries. Viasat operates across a range of markets, including, Aviation, Government, Enterprise, Maritime, Energy and Satellite Internet.

Viasat’s satellite fleet has been designed to grow with increased global broadband demand—with an intent to deliver ‘faster service speed, higher quality and enhanced reliability’. Within the space domain, through the Viasat Hybrid Adaptive Network (HAN), Viasat provides critical satellite communications for mobile forces, enables control of remote sensors, transmits real-time battlefield intelligence, and ties sensors to shooters.

The first of the global ViaSat-3 constellation was successfully launched from NASA's Kennedy Space Center in Florida in 2023. The ViaSat-3 constellation is the company’s next generation of ultra-high-capacity, Ka-band satellites, expected to increase Viasat's global coverage and network capacity.



VXB Aerospace



The VXB team is experienced in the development of electric in-space propulsion systems for small satellites, the development of AI models for optimising satellite subsystem design, and the application of advanced analytics to support satellite operations (including satellite collision risk prediction and mitigation). The team also has significant advanced manufacturing expertise with aerospace materials.

VXB is currently based at the National Space Industry Hub with office space and a manufacturing and testing facility. The testing facility includes a medium sized ultra-high vacuum space simulation chamber. The company is expanding its facilities to the UTS Tech Lab in July 2024 to grow production capacity. VXB is developing a range of AI-designed high speed, low cost, high efficiency small satellite propulsion systems (Argon Hall Thrusters), filling a critical regional supply chain need. The first product Zephyr was demonstrated in Q1 2024 with the second thruster Zephyr-M set to fire up in Q2. Both units are set to be ready for launch by Q4 2024. VXB has won two federal grants for the development of commercial space technology, a CRCP grant and a M2M Supply Chain grant.



For more information on the Space Industry Association of Australia and our member organisations please contact us at:

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