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ANU Institute for Space

BUILDING AUSTRALIA'S SPACE CAPABILITIES

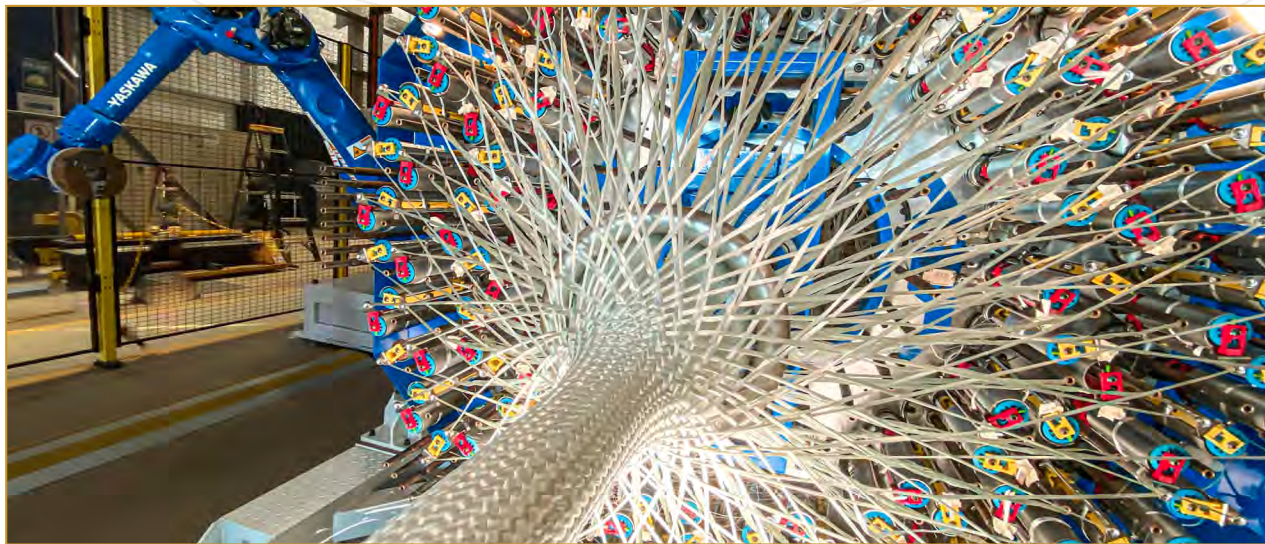


Image courtesy of University of Southern Queensland

ANU InSpace in partnership with program leader University of South Queensland, and in collaboration with University of South Australia and over twenty industry organisations, founded iLAUNCH – the Innovative Launch, Automation, Novel Materials, Communications, and Hypersonics program. Together, we strive to build Australia's sovereign space capability, through addressing critical gaps and accelerating development of a manufacturing sector.

Supported by \$50 million in funding from the Australian Government's inaugural \$362.5 million Trailblazer Universities Program and with a total of \$180 million to invest in industry research, commercialisation and advancing manufacturing, we are committed to Australia's burgeoning space industry. We will achieve this through growing our commercially viable civil rockets, rocket test and launch facilities, rapid satellite manufacturing, space qualification design and knowledge and advanced communication and quantum technologies. Ultimately, to prepare

Australia for a successful and sustainable space mission success.

The program's comprehensive training, education, and outreach programs will help to produce the next generation of industry professionals. Its commercialisation branch will translate research outcomes into commercially viable products, simultaneously developing Australia's sovereign capability in space and creating an industry which can deliver products onto the international market.



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**ANU MISSION GOALS WITHIN iLAuNCH ARE VAST AND VARIED,
WE WILL LOOK TO:**

- Mature high-end, infra-red sensor electronics to enable advanced Earth and space observation missions.
- Develop and space qualify non-invasive medical sensors that can operate and communicate in the space environment.
- Develop compact optical receiver systems for next-generation optical and quantum communications.
- Develop advanced carbon composite structures for space launch vehicles.
- In partnership with Space Machines Company, develop and qualify for flight readiness their Optimus first-generation space transport and logistics platform.
- In collaboration with Skykraft, evolve their current spacecraft platform and payload capabilities with a coordinated ground test and flight validation programme.

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ANU will support iLAuNCH with optical and quantum communications, medical sensors, and material science to support advanced manufacturing and ensure a sustainable space environment through testing and qualification to support mission readiness. ”

Are you interested in Australia's Space Capabilities?

PLEASE CONTACT:



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