

The Innovation & Collaboration Centre (ICC) is the University of South Australia's startup incubator.

The ICC engages with the community through the delivery of community events, workshops and programs which draw on the research and professional expertise of UniSA and our partners, to support the generation of new startups and the growth of existing companies.

The ICC is headquartered in Adelaide and has a regional centre in Whyalla, South Australia.

icc.unisa.edu.au

VENTURE CATALYST SPACE

In 2021, Hex20 was one of 10 startup companies chosen to participate in the third cohort of the country's first space incubator program delivered by the ICC, Venture Catalyst Space.

FURTHER INFORMATION

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HEX20

BRINGING SPACE CLOSER

Full stream technology solutions for low earth orbit (LEO) satellite applications



BENEFITS

- One stop shop for LEO/MEO/Cis-Lunar platforms
- Mission design consulting
- Ground station and communication management
- Data and analytics platform.

BACKGROUND

HEX20 was founded in 2019 by a group of friends who realised they had a common interest in space as well as the skills and capabilities to address the need for scalable, fit-for-purpose platforms for LEO satellites. The direct experience designing and building these platforms has given the team a clear vision on the challenges as well as pathways to address them; and the technical expertise giving them the ability to execute the strategy.



Lloyd Jacob
Chief Executive Officer

TECHNOLOGY/IDEA

HEX20 offers small satellite systems platforms, and services. They specialize in the research, design, and development of state-of-the-art, scalable platforms and subsystems for small satellites. Their clients benefit from launch services, mission operations, and data services. They strive to provide solutions for the LEO and cislunar market with an emphasis on creating qualified hardware platforms that are intelligent, cost-effective, reliable, and readily accessible for commercial, defence, and academic applications.

HEX20's satellite platforms are designed with reliability as the cornerstone. The platform design achieves a balance between flexibility, performance, and reliability, allowing clients to focus on the mission, payload and reducing time-to-orbit. The platforms range from the compact 3U platform for academic missions, to the largest 27U design for mission-critical projects. They offer a range of payload space, computing, power, avionics, pointing accuracy, and communication options that can be customized to fit specific mission application.

HEX20 are now building a 3U platform for National Central University – Taiwan to fly an AIS Payload, 3U & 6U HEX20 Tech Demo Missions with an EW Signals Intelligence Payload. They are also building two 12U satellites for the Moon to Mars Demonstrator Mission, to demonstrate optical interlink between satellites.

POTENTIAL MARKETS

At present, HEX20's primary focus is on the Asia Pacific markets, where they are actively collaborating with Taiwan, United Arab Emirates, and Singapore. As the company moves forward, they plan to gradually extend their reach into other regions, including Europe and North America.

PARTNERING OPPORTUNITIES

HEX20's current endeavours involve examining prospects with other startups and research organisations that possess expertise in state-of-the-art payload development, as well as with manufacturing companies, downstream application development firms, government agencies, and universities.