

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 2018, ResearchSat was one of five startup companies chosen to participate in the country's first space incubator program delivered by the ICC, Venture Catalyst Space.

Further information

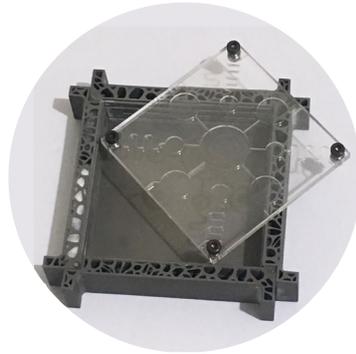
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The future of scientific research



Benefits

- Life-science research in space to develop new drugs and vaccines
- Affordable microgravity research
- Fully autonomous mini-labs on satellite platforms
- Opportunity to share satellite research payloads.

Background

ResearchSat provides end-to-end services that enable space science research in the form of satellite platforms for researchers and organisations, to run experiments in space. The company's payloads facilitate conditions for drug design and development for pharmaceutical companies on a commercial scale as well as provide opportunities to all academic researchers who are interested in space biology research.

Technology and services

Part of the company's core technology is an advanced microfluidic chip integrated with a state-of-the-art electronic sensor suite and data acquisition system. These experiments allow the platform to understand and control the behavioural changes of microbes in spaces, as well as aiding in the development of new pharmaceutical products.

ResearchSat provides an end-to-end service so that researchers can focus on the thing that matters the most - their experiments.

Co-design: collaboration with the researcher to develop the microfluidic chip and sensor suite based on the needs of that particular experiment.

Launch logistics: all logistics related to the launch, including regulatory requirements, insurance, and transportation will be taken care of.

Results delivery: feedback of data, in near real-time, fully translated from the payload's sensors, monitoring equipment and specimen delivery.

ResearchSat



researchsat.space



@ResearchSat

Potential markets

The platform is configurable to facilitate research across multiple industries, ranging from food (new food products), pharma (drug discovery/precision medication), agriculture (nutrient research) and biotech (next generation equipment).

Partnering opportunities

ResearchSat is looking to collaborate with research organisations, academic researchers and cubesat platforms who can host their payload. There is also a potential for partnerships with other cubesat companies to share launch costs. The company is aiming to launch their first payload into orbit by late 2020 and is actively seeking research and funding partners.

ResearchSat team



RaviTeja Duggineni

Chief Executive Officer



Vikrant Minhas

Chief Scientific Officer



Jibin Jeffrey Dhanaraj

Chief Technology Officer