

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

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

Further information

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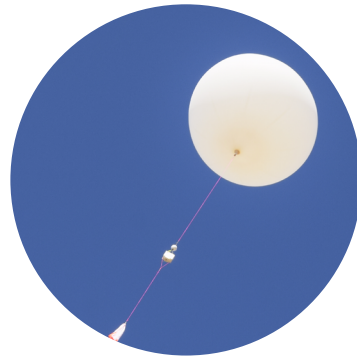
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Space robotics company building atmospheric satellites for Earth observation



Benefits

- Access to high-resolution aerial images of the surface of the planet, in real-time
- Monitor change on the ground, happening every minute
- Surveil large areas such as coastlines, for months at a time, at low cost.

Background

Lux is a space robotics company founded in Montreal, Canada by two co-founders, Katrina Albert and Vincent Lachance. Lux's aerial services are targeted towards mining, agriculture and defence industries. Australia's 147 million hectares of forests, 394 million hectares of agricultural land, 400 operating mines, and 12th largest military expenditures in the world, represents diverse opportunities for Lux's technology with Lux currently based Down Under.

Technology

Lux's atmospheric satellites consist of high-altitude balloons equipped with a camera, which operate between 18 and 25km of altitude to capture high-resolution aerial images and deliver these to customers in real-time. The goal is to operate a fleet of balloons over Australia to be able to produce a live digital twin of the continent and serve several markets.

Potential markets

Due to the nature of the technology, Lux's product can impact several industries, globally. The team are looking to serve a wide range of natural resources companies, as well as the defence industry with their aerial images and analytics. Respectively, the aerial imaging market and geospatial analytics markets are estimated to value \$5.3 billion, and \$134.48 billion by 2025.

Lux Aerobot



f6s.com/luxaerobot

Partnering opportunities

The team are actively looking for software companies willing to build software apps on top of their unique data set to bring the most value to new markets, such as forestry, electric utility, and cities. They are open to co-development for large market opportunities.

Lux Aerobot team



Vincent Lachance

Co-founder



Katrina Albert

Co-founder