

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, Moonlode 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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Moonlode

Thermal engineering solutions for deep space



BENEFITS

- New products and systems to enable survival of the extremely cold lunar night
- Expertise in spacecraft thermal design, analysis, construction and testing
- Enabling governments and private companies to explore and utilise resources on the Moon.

BACKGROUND

Moonlode is an Australian startup built from founders with expertise in international and local space projects across the private and government sectors.

TECHNOLOGY

Moonlode's key product is an integrated thermal control subsystem for spacecraft, maintaining the temperature of critical components within certain specified bounds during extended periods of extreme cold. The system incorporates new methods for generating a trickle of heat within the system enclosure as well as methods to reject excessive heat during periods of solar illumination and/or high electrical energy dissipation.

PARTNERING OPPORTUNITIES

Moonlode seeks companies and government agencies that are planning lunar missions for science, exploration, or resource extraction/utilisation.

POTENTIAL MARKETS

The primary markets are space exploration and in the future space resources extraction and utilisation.

IP STATUS

All IP required to commercially exploit the products will be retained by Moonlode.