

OzQube-1

Pico-satellite Technology Demonstrator
Mission: Capture colour images of Australia

Size: 5cm x 5cm x 5cm (excluding antenna)

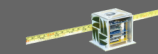
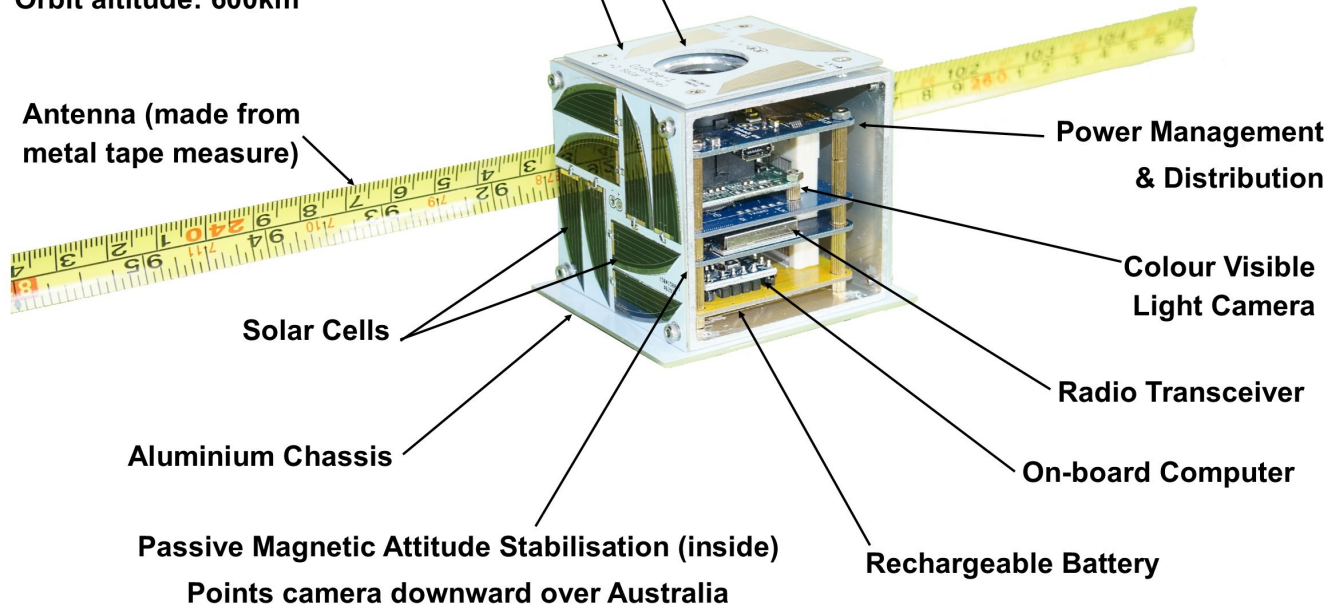
Mass: 150 grams (approx.)

Format: PocketQube

Launch: 2019 (est.)

Orbit altitude: 600km

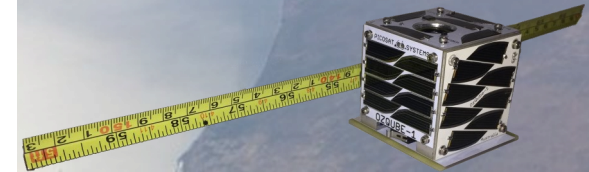
Cut-away View



Picosat Systems



Picosat Systems
Small Satellite Solutions



OzQube-1

Australia's First PocketQube Satellite



Picosat Systems

Picosat Systems is a provider of small satellite solutions, aiming to reduce the barriers to space flight. Its pico-satellite platform technology takes advantage of the small satellite revolution. This is a fundamental shift that has seen the global space industry grow exponentially, technology rapidly improve, costs drop and innovation abound.

Our pico-satellites:

- Uses the latest miniaturised, commercial off-the-shelf technology
- Can be built and launched into orbit for a much lower cost than was previously possible
- Can be built much faster, using less people than traditional, large satellites
- Can quickly implement improvements based on past space-flight experiences
- Are smaller than more common nano-satellites like Cubesats, while still providing similar performance

OzQube-1

Picosat Systems' first small satellite solution, OzQube, is a pico-satellite platform, based on the PocketQube format. It will be launched into a Low Earth Orbit (LEO) between 300km and 600km in altitude. Our technology demonstrator satellite, called OzQube-1, is currently being finalised, with a 2019 launch planned.

OzQube-1 is an Earth Observation (EO) satellite. It will take colour photos of Australia and transmit them back to Earth. Anyone with a suitable antenna and radio receiver will be able to freely download these photos directly from OzQube-1.

Uses for our OzQube pico-satellite platform include: taking photos (EO) in visible light, as well as other types of light like infrared, to detect minerals for example; or for telecommunications, enabling audio, video and data communications with remote locations.

Our OzQube pico-satellite platform can consist of a few or many satellites in space, operating together, in what's called a constellation. This allows for both global coverage and the frequent revisit of specific locations on the ground by our satellites.

Further Information

Areas of Use

Potential areas for use of our satellite platform include, but are not limited to:

- Agriculture
- Defence
- Environmental Management
- Natural Disaster Management
- Resources (Mining, Oil & Gas)
- Scientific Research

Awards

Picosat Systems was the winner of the Woodside Oil & Gas Encouragement Award at the 2017 Western Australia Innovator of the Year Awards.

Contacts

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