CubeSpace in summary

- Spin-off from University of Stellenbosch, Electronic Systems Lab, in South Africa
- Laser-focused on ADCS
- Active since 2013 as part of the university, formally established in 2017
- Hardware in orbit since 2014 on the QB50 Precursor Satellites
- 17 Full-time staff, which 9 has post-grad degrees in Control Systems
- 250 m² facility with 80-m² is cleanroom, all dedicated to ADCS assembly, integration and testing
Our mission is to continuously improve our system so that all satellite builders globally can benefit from an ADCS product with unmatched maturity, at an affordable price.
**Flight-proven, flexible ADCS**

Our products are built for satellites ranging from 1 kg to 30 kg and have been included in a total of more than 100 missions as integrated units or standalone components.

- **CubeSense**
  - Fine sun or earth Sensor
  - 70+ units delivered
  - In orbit since 2014

- **CubeIR**
  - Infrared horizon sensor
  - New product
  - Launch expected 2021

- **CubeStar**
  - Compact star tracker
  - 50+ units delivered
  - In orbit since 2018

- **CubeTorquer**
  - Magnetorquers
  - 300+ units delivered
  - In orbit since 2014

- **CubeWheel**
  - Reaction wheels
  - 300+ units delivered
  - In orbit since 2014

- **CubeADCS**
  - Integrated system
  - Modular
  - Algorithms included
  - 70+ units delivered
  - In orbit since 2014

**Key clients and partners**

[Image of logos from various clients and partners]
Products evolution: from QB50 to CubeADCS Gen 2

- Customizable mechanical interface
- Customizable electrical bus interface
- Up to 4 reaction wheels
- Up to 7 sensors
- In-orbit Reprogrammable
- Best industry standard (MISRA-C, ECSS, ...)

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Full ADCS Service

- Requirements review
- Selection/Placement of sensors/actuators
- Performance Simulation
- Integration Support
- Commissioning/Operations Support
Thank you

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www.cubespace.co.za | moon.cubespace.co.za (Virtual lunar base)