RAL Space

CubeSat Development Facility and Operations

Facilities available for management and operation of CubeSats

Development of CubeSat Components

Missions laboratory with staff trained to

- Test your hardware with EGSE
- Integrate your hardware on to a Flat-Sat
- Design custom opto-mechanical and electronic interfaces[1]
- Access to a wide range of existing CubeSat subsystems and buses[1]

Ground Segment

- Ground stations working at VHF, UHF, S-band and X-band. Uplink at VHF, UHF and S-band.
- Mission design, planning and operations
- Data processing, dissemination and archiving

Environmental Test Facilities

- Thermal vacuum chamber
- EMC
- Access to standard optical test equipment, including black bodies and wide spectrum light sources[1]

Design

- Expertise in designing payloads[1]
- Expertise in designing CubeSats for specific tasks[1]
- Concurrent Design Facility

Partners

Access to experts at

- Satellite Applications Catapult
- AAC Clyde Space
- Bright Ascension
- Ecometrica

[1]With STFC's Astronomy Technology Centre