Ground Station Software Model

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Ground Station Software Model

Linking mission operators and researchers with the satellite

Ground Station Components

- Antenna
- Motors that position the antenna
- Radio (Transmitter/Receiver)
- System management station
- Data storage system
- Custom software

Primary Functions

- Control the position the antenna
- Send commands to the satellite
- Receive data from satellite:
  - Images
  - Status data
    - GPS location, on-board temperature, battery level
- Command interface for mission operators
- Post-process satellite data
- Archive data for future research