

### GENERAL DESCRIPTION

Alén Space’s **Mission Control Software (MCS)** is designed in a flexible and modular way to ease extensibility and integration with third-party tools which the mission may require. Like the OBSW, it is also based on the **ESA Packet Utilization Standard (PUS)**.

The main interface provided is completely decoupled from the **ground segment** server, which results in several advantages. **Multiple front-ends can work in parallel** performing different duties, and automation is simplified.

### MAIN FEATURES

- Telemetry packets **reception, decoding and storage**
- Software **API** to access stored telemetry with third-party provided software tools
- Telecommand **sequences management and execution**
- **Web-based user interface** for real-time operation and telemetry visualization

