

C2 Pro

For complex satellites and small fleets

Satellite operators with complex and advanced missions cannot afford to have ground segment issues. C2 Pro is a robust off-the-shelf solution, ready to integrate with your ground segment.

It's easy to setup with any satellite platform, and can be easily customized to meet specific requirements, and extended with other Leanspace products or your own.

Concerned about reliable operations?

C2 Pro builds on the TRL-9 Leanspace platform and provides advanced data monitoring and automation capabilities so you can run more efficient operations with increased confidence

Worried about vendor lock-in?

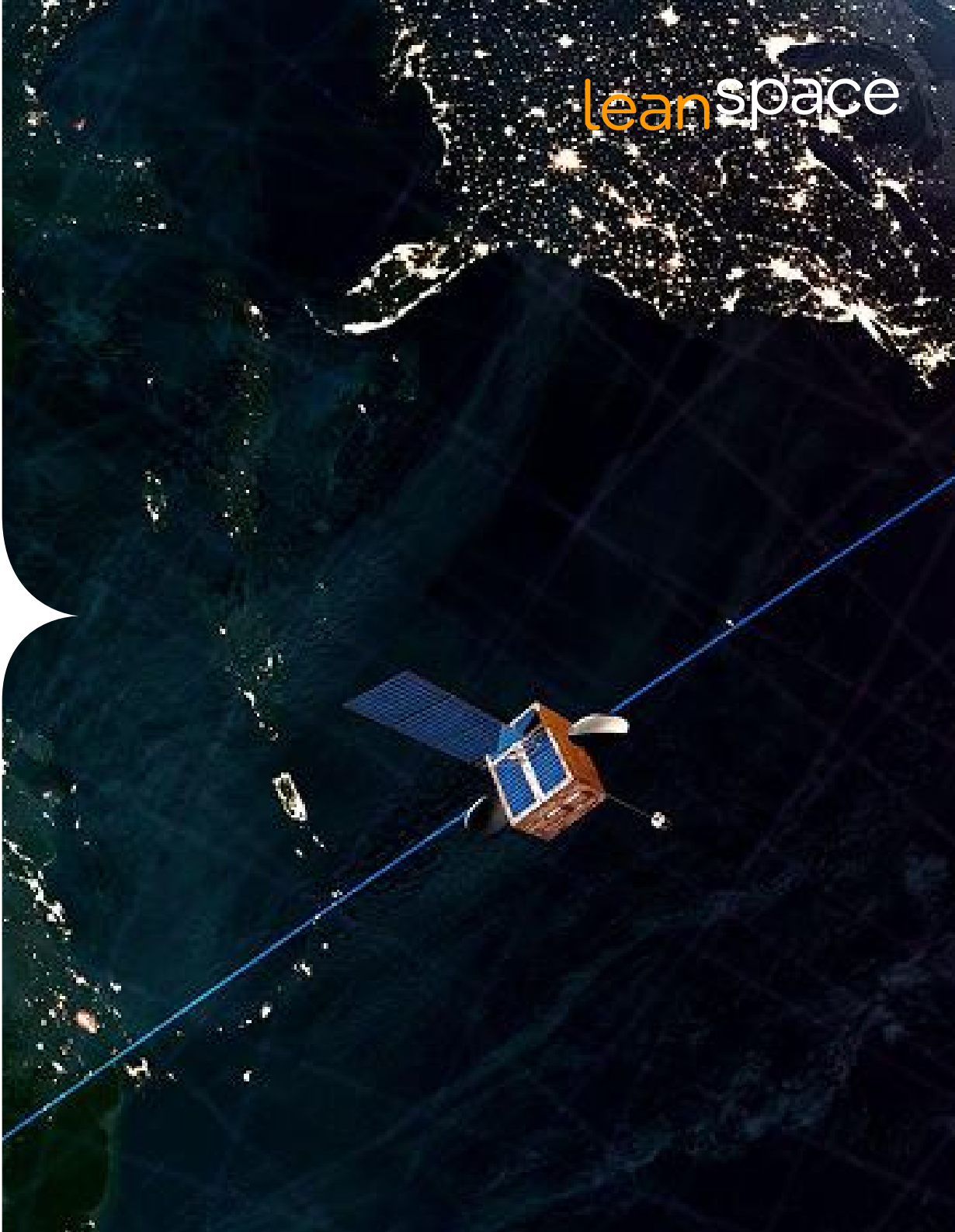
Leanspace provides you with the source code of the C2 Pro app, allowing you to modify and add to it as your needs evolve

Working with distributed teams?

The Leanspace platform is cloud-native and centralises data and workloads, enabling your engineers to access it wherever they are and run distributed operations

Flying different satellites?

C2-Pro is ideal for fleets from 1-5 satellites. It is also mission and protocol agnostic, allowing you to manage different satellite platforms and payloads from one C2 system

The image shows a satellite in orbit over Earth. The satellite is a small, boxy object with solar panels and antennas, positioned in the lower right quadrant. The Earth's surface is visible below, showing a grid of latitude and longitude lines. The background is a dark, starry space. The Leanspace logo is in the top right corner, with 'lean' in orange and 'space' in white.

lean space

Key Features

Ultra-flexible TM/TC chain

- Compatible with CSP, CCSDS, major satellite platforms, and GSaaS providers
- Multiple commanding paradigms (real-time, command sequences, file-based)
- Detailed command history, telemetry tables, and packets explorer

Advanced Monitoring Capabilities

- Anomaly detection via out-of-limits and notifications
- Events log (all space and ground events) with operator notes
- Complex, and fully customizable telemetry and data visualisation tools

Passes and Flight Dynamics:

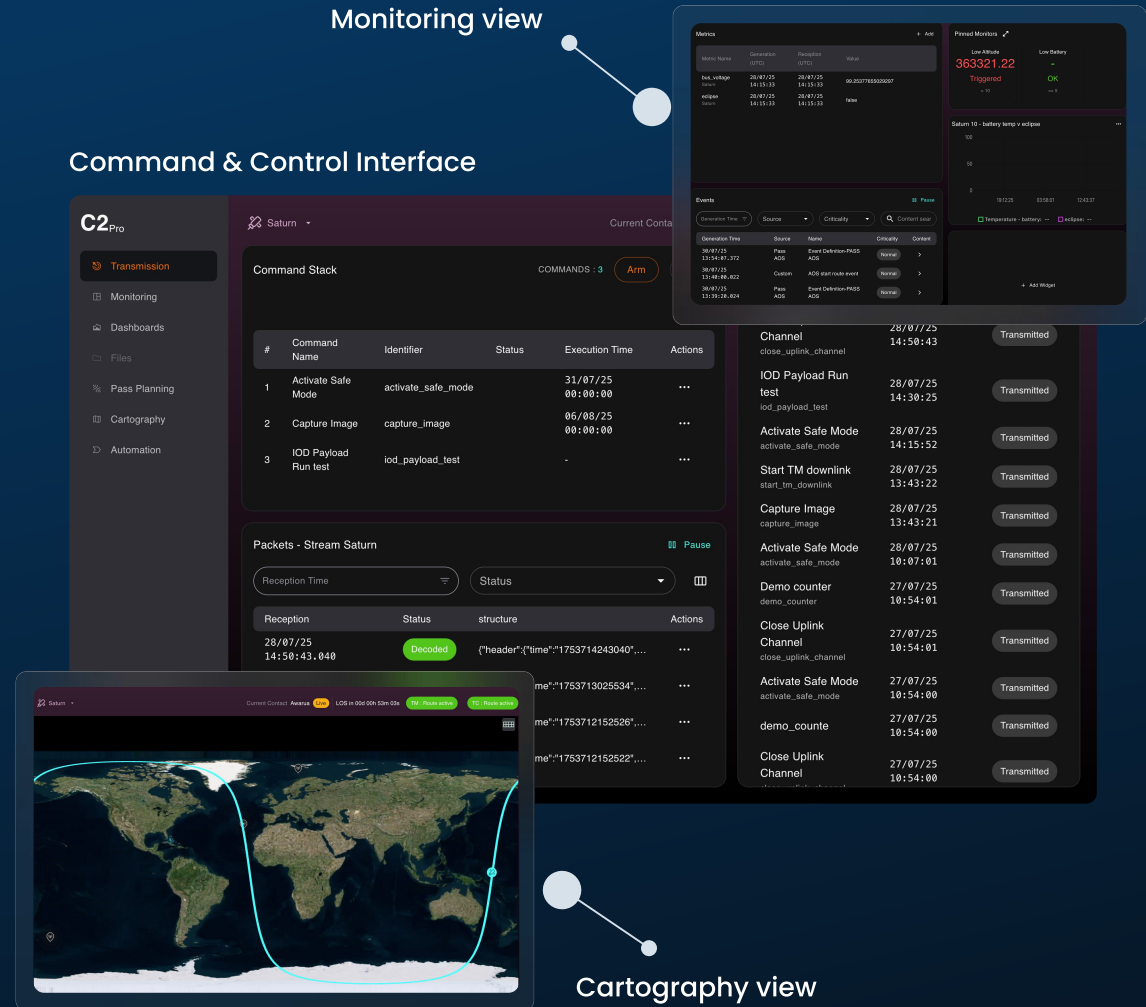
- Planning of ground station passes
- Orbit cartography 2D/3D
- Easy integration with any FDS

Automation & Security:

- Author and run scripts in the Leanspace platform, with change and version control
- Granular permissions for robust user access control
- Software or hardware-based encryption
- Permanent storage of data for easy access

Monitoring view

Command & Control Interface



Cartography view

Discover C2 Pro at leanspace.io