

bright
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mission ready software

MISSION CONTROL SOFTWARE



overview

WHAT IS MISSION CONTROL SOFTWARE?



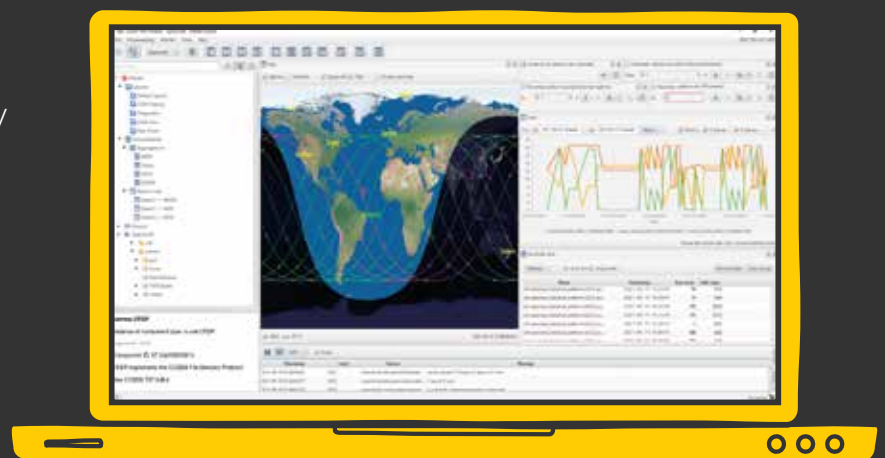
Mission Control Software (MCS) an easy-to-use solution for the monitoring and control of spacecraft during development and flight. Harnessing the power of automation and unattended operations, it significantly improves efficiency and scalability of the mission.

Built on the same underlying model-based technology as our flight software solution, the MCS can automatically “see” the entire onboard structure ensuring seamless integration and significant improvements in efficiency, automation and cost reduction.

HAS THE MCS OPERATED REAL MISSIONS?

We are flight-proven.

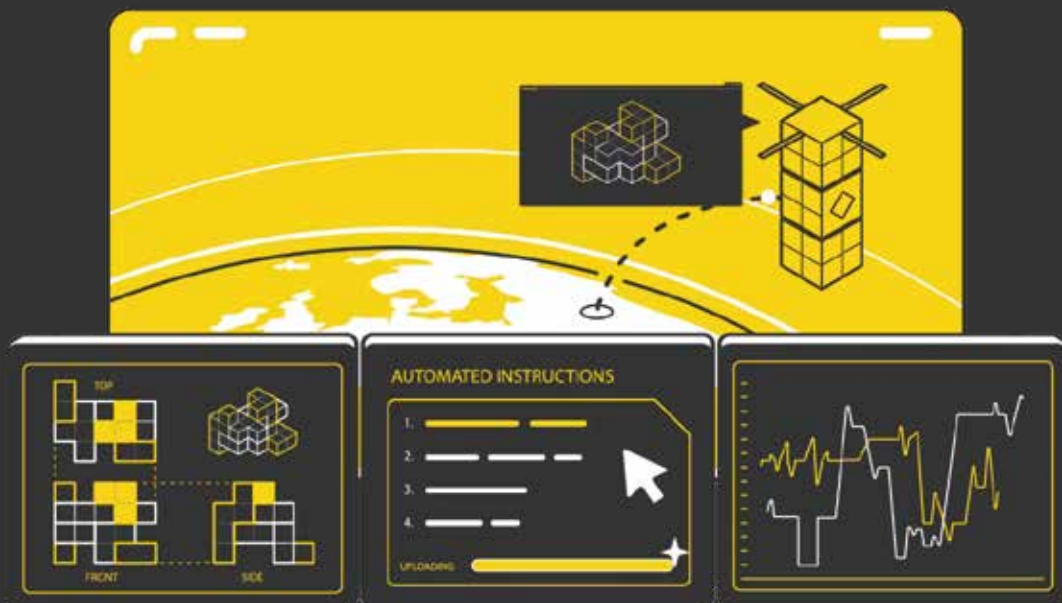
So far, over 30 spacecraft reached the orbit with our software onboard with many more currently in development. Roughly half of these missions are operated by the MCS, making full use of the effortless integration with the flight side.



We are proud of our flight heritage. Visit our website for the most up-to-date list of missions we've been involved in.

TIGHT INTEGRATION MEANS ZERO MANUAL EFFORT

Underpinning every unique flight software built with our development kit is the model-based core technology - creating a machine-readable description of the system that can be used across all life-cycle stages.



This means that once in operation, our easy-to-use ground-based Mission Control Software automatically reads the entire flight structure with little to no configuration, offering significant improvements in efficiency, automation and cost reduction, even across large systems and constellations.

4 REASONS WHY YOUR MISSION NEEDS THE MCS.



1. mission monitoring

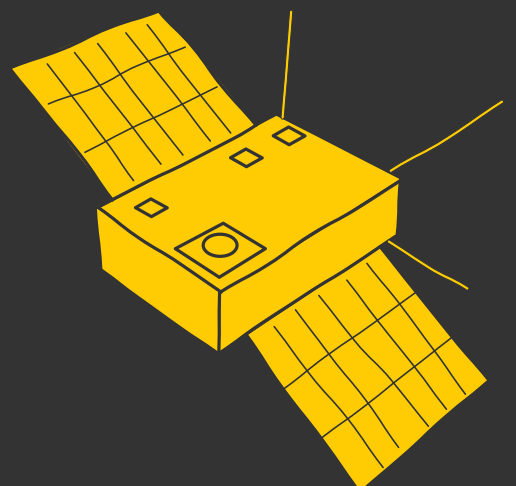
The MCS provides a rich environment for parameter and event monitoring, including telemetry visualisation, archiving and monitoring with alarms and condition notification.

- interactive and pre-defined parameter monitoring clear, configurable,
- task-oriented displays: single, table and line graph
- live and historic multiple data source views, including calibrations and limit checking
- combined graphical view showing parameter changes alongside commanding and other system events
- semantically-rich modular database for archive storing

2. mission control

The graphical environment of the MCS integrates commanding with monitoring and other talks, which provides a clear and more efficient view of operations. And its powerful scripting means that complex tasks can be achieved quickly and effortlessly.

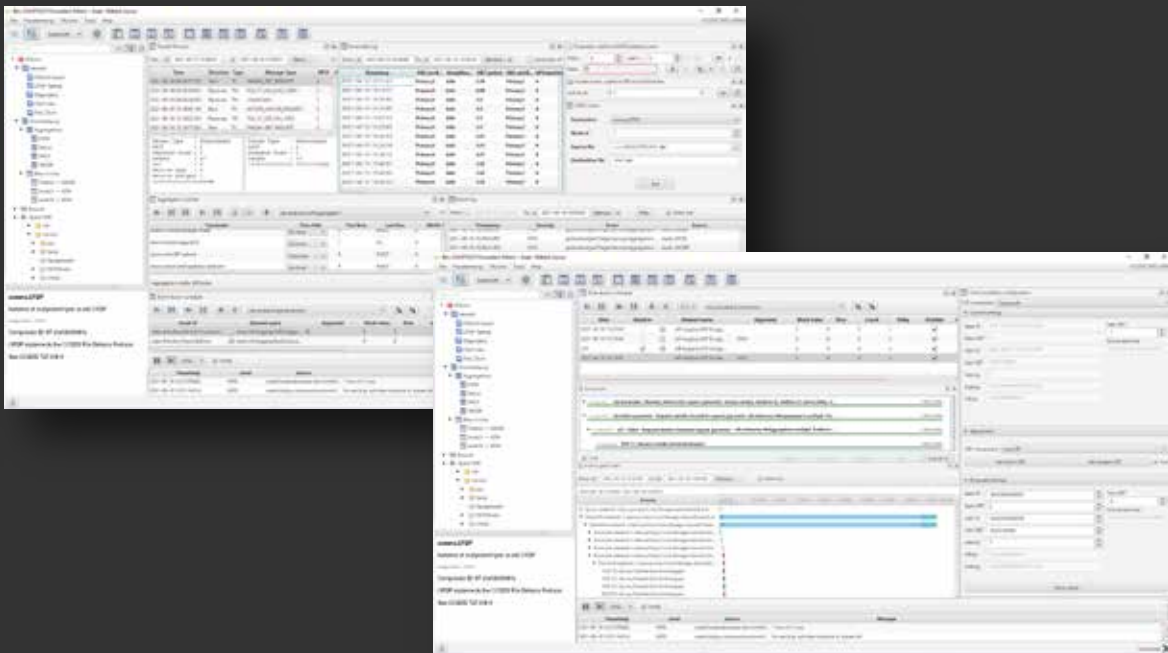
- interactive and delayed commanding
- powerful command sequence scripting
- file and bulk data transfer, progress and status reporting
- manual and automated transfer pause and resume



3. mission automation

The MCS provides extensive scheduling and automation features, such as automated pass management including downlink/uplink handling. This allows to enable efficient unattended operations to improve reliability of the mission and maximise uptime.

- unattended operations, including parameter, command and transfer handling
- automation schedule generation, inspection and control
- monitoring checks and alarms to drive MCS automation
- alarm and event handling for operator notification



4. mission integration

Our underlying core technology creates a model of the system that is shared by the entire mission: both flight and ground. This means the MCS understands how to interact with the flight side with almost zero manual configuration, saving time, effort and cost.

LICENSING AND SUPPORT



We offer different licence types across all our major products to address different market segments, from large companies or those offering space-based services to small and medium-size commercial organisations and institutions. We also support academic licenses for universities, schools and early-stage start-ups.

Each licence includes a full year of support and maintenance as well as training to get you started. Extended support options, including additional training, are also available.

FREE TRIAL

Still unsure if our MCS is the right solution for your mission? Contact us today for an interactive demo or a free trial.

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