



READY-16U

Attitude Determination & Control System for large
cubesats

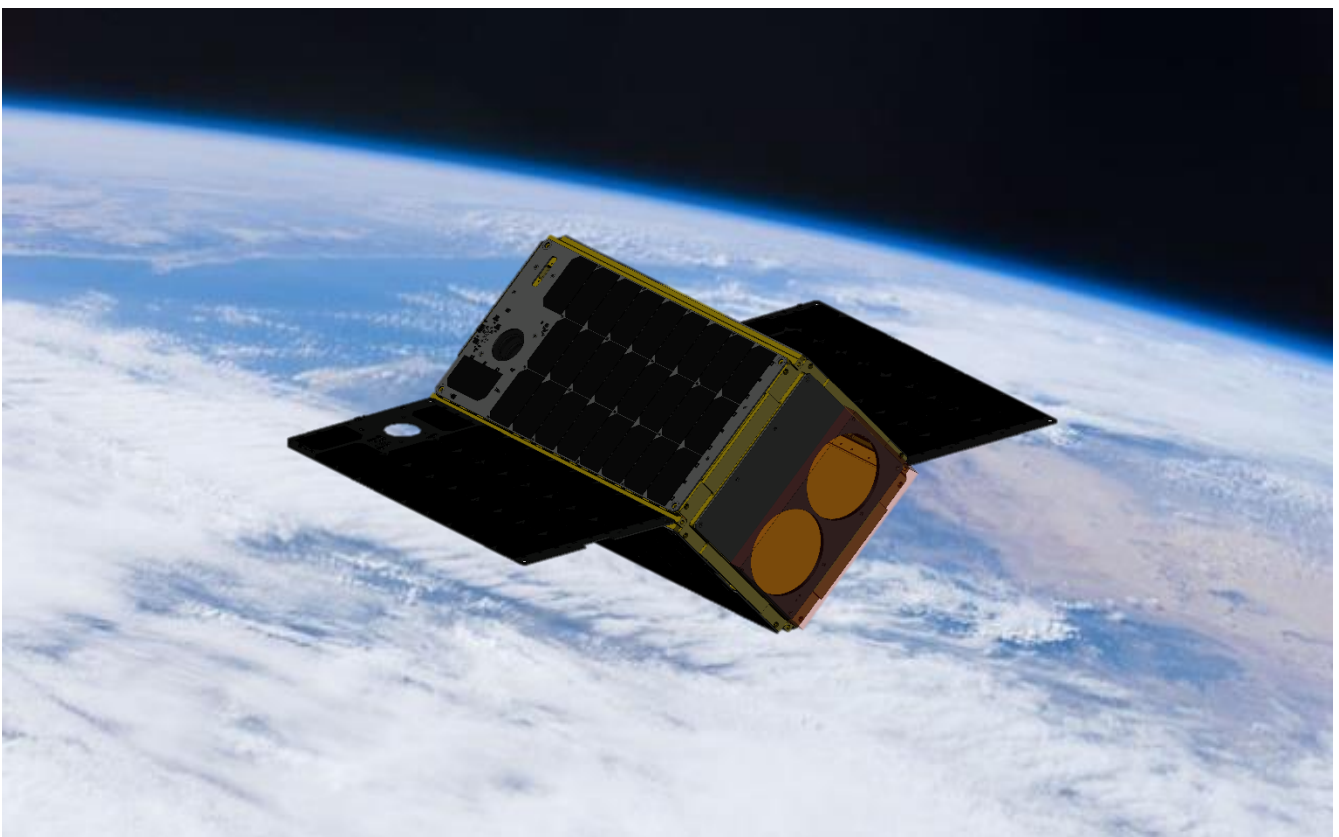
FLIGHT SEGMENT



HIGH-PERFORMANCE, OFF-THE-SHELF ATTITUDE DETERMINATION & CONTROL

DEIMOS' READY-16U ADCS is a turnkey solution for attitude determination and control for cubesats up to 16U. The READY-16U guarantees high precision and agility in an efficient package. Variants for larger satellites are also available in the READY family.

Our off-the-shelf ADCS provides a highly configurable product suitable for **all LEO orbits and applications**. Its optimized cost and lead time will allow you to maximize the capability of your missions, without sacrificing financial performance.



UNPARALLELED PERFORMANCE FOR THE MOST DEMANDING MISSIONS

Key Performance Metrics	READY-16U
Pointing accuracy	< 0.05 deg < 180 arcsec
Pointing stability	< 0.017 deg / s < 61.2 arcsec / s
Attitude estimation accuracy	< 0.025 deg < 90 arcsec
Orbit determination accuracy	10 m
Agility	> 1 deg / s
Mass	2 kg
Volume	3U
Power (fine pointing mode)	< 10 W
LEO Lifetime	5 years

GUARANTEED AGILITY AND PRECISION

READY-16U meets the requirements of even the most demanding Earth Observation missions. All our **metrics are measured up to 3σ accuracy**, ensuring that your satellite performs once in orbit. No surprises on Day 1.

OFF-THE-SHELF AND STANDALONE

Integrated software and computing capabilities enable a standalone and off-the-shelf hardware configuration. **READY-16U brings all the components needed for attitude control, with minimal interfaces to the bus**, allowing our ADCS products to easily integrate with any satellite. From simple parameter fine-tuning to mission-specific HW adaptations, **READY-16U can be adapted to any space mission.**

100% EUROPEAN OPTIONS

READY-16U can be deployed **exclusively with EU-sourced components**. Don't waste any more time on ITAR compliance. Focus on your mission.

COMING UP IN 2025

READY-16U ADCS is currently being developed under an ESA project. Our product will be **available to join your missions in early 2025.**



Hit the bull's-eye with READY ADCS.

Let's talk!

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