

READY-100

Attitude Determination & Control System
for micro satellites

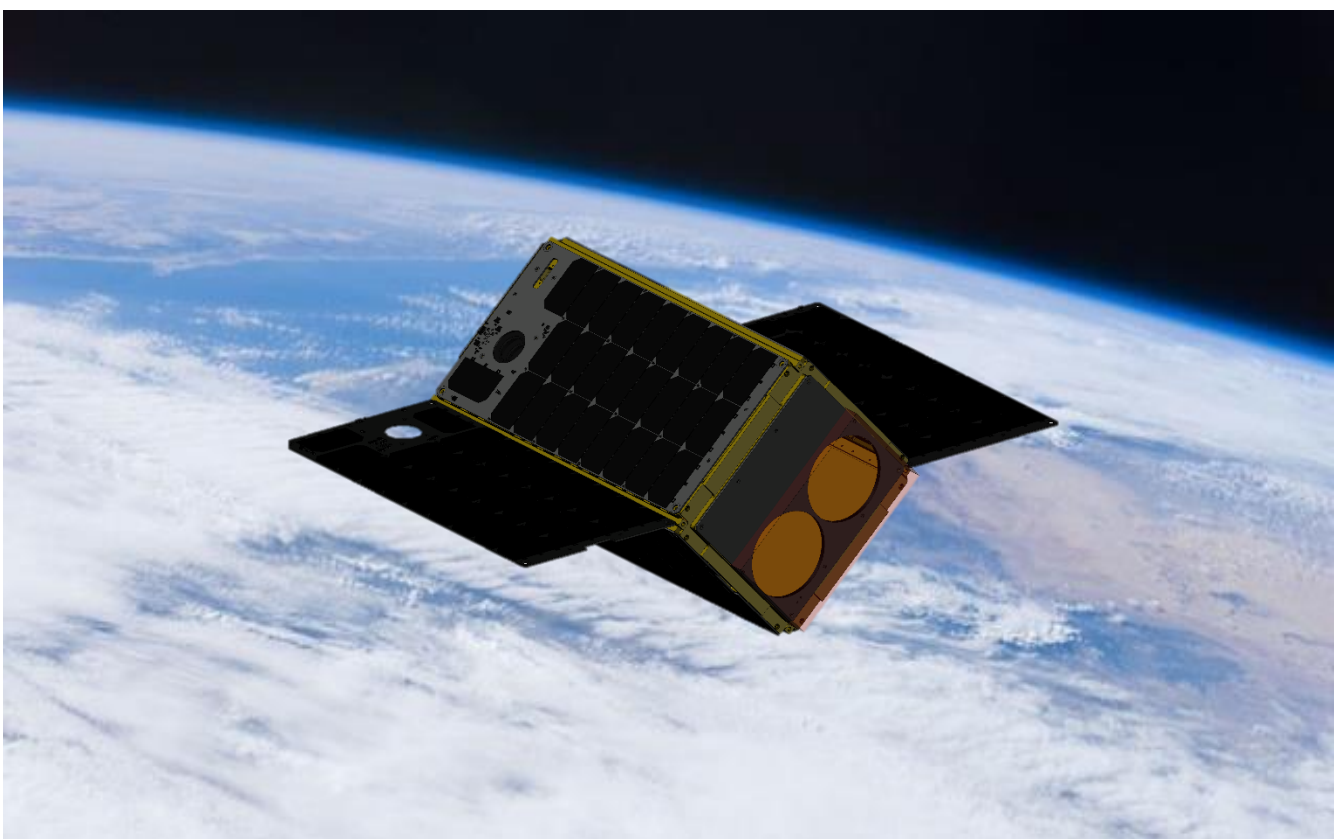
FLIGHT SEGMENT



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

DEIMOS' READY-100 ADCS is a turnkey solution for attitude determination and control for satellites up to 100 kg. The READY-100 ADCS guarantees **high precision and agility** in an **efficient** package. Variants for 6U and 16U cubesats are also available.

Our off-the-shelf ADCS provides a **highly configurable** product suitable for all LEO orbits, available in both **standard and high precision versions**. 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-100	READY-100HP
Pointing accuracy	< 1.5 deg	< 0.05 deg
Pointing stability	< 0.1 deg / s	< 0.017 deg / s
Attitude estimation accuracy	< 1 deg	< 0.025 deg
Orbit determination accuracy	< 10 m	
Agility	> 1 deg / s	
Mass	8 kg	10 kg
Power (housekeeping mode)	~35 W	~38 W
Lifetime	5 years	
Target satellite mass range	30-100 kg off-the-shelf. 6U / 16U configs. available. Other configurations supported on demand	

GUARANTEED AGILITY AND PRECISION

READY-100 and its High Precision version meet the requirements of even the most demanding Earth Observation missions. All our **metrics are measured up to 3 σ 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, allowing our ADCS products to easily integrate with any satellite. From simple parameter fine-tuning to mission-specific HW adaptations, **READY-100 can be adapted to any space mission**. Our configurable solution works with **cubesats 6U up to 16U, and microsattellites up to 100 kg** in mass

100% EUROPEAN

READY-100 uses **exclusively EU-sourced components**. Don't waste any more time on ITAR compliance. Focus on your mission.

COMING UP IN 2024

READY-100 ADCS is currently under development under an ESA project. Our product will be **available to join your missions in late 2024**.



Hit the bull's-eye with
READY ADCS.

Let's talk!

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