

Video: OPS-SAT, ESA's flying lab, open to all

December 17 2019

What would you do with a powerful computer based in space? At just 30 cm in height, OPS-SAT is a tiny CubeSat designed to serve as a large-scale software laboratory in orbit – containing one of the most powerful flight computers ever flown – to test innovative control software from teams all over Europe.

Anyone can apply to try out their software aboard OPS-SAT, from companies to research teams to computer clubs, linking directly from the internet. The small satellite packs in a [high-resolution camera](#), radio antennas, optical receiver, reaction wheels and GPS. OPS-SAT can be rebooted if any experimental software crashes, allowing otherwise risky inflight testing as a way to make space smarter.

Provided by European Space Agency

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