

AGENCY

SOURCE team of Fly Your Satellite! conduct electromagnetic susceptibility test campaign

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In brief

Three students from the [SOURCE](#) team of [Fly Your Satellite!](#) have travelled from their home base in Stuttgart, Germany, to [ESTEC](#) in the Netherlands to conduct vital electromagnetic susceptibility tests.

In-depth

SOURCE stands for Stuttgart Operated University Research CubeSat for Evaluation and Education, and is a three-unit CubeSat with a mission to image meteoroids and study uncontrolled entry into Earth's atmosphere. It is part of the third edition of [Fly Your Satellite!](#), an [ESA Education](#) programme that gives university students the opportunity to design, build, launch, and operate real satellites.

The students have been using the Electromagnetic Compatibility Laboratory at ESTEC to test a Power Conditioning and Distribution Unit (PCDU) that they designed and built themselves. The PCDU is a vital component tasked with retrieving power from solar panels and then distributing it to other devices onboard the CubeSat such as the computer, radio, and payload. The kit undergoing the tests is an Engineering Model, identical to the Flight Model destined for orbit.

— A student from the university of Stuttgart working on the

"Using the facilities at ESTEC to perform electromagnetic susceptibility measurements was a great experience!" said