

## **GranaSAT, technology that collects data in the stratosphere for the European Space Agency**

LOCATION: Granada

DURATION: 1'30"

**SUMMARY:** Students and teachers from the University of Granada have designed and built GranaSAT, a device that has been sent to the stratosphere by the European Space Agency. This device was able to send images with a high scientific value. This is the first time that an Andalusian university is chosen by the European Space Agency to participate in the program.

### **VTR:**

This device had returned safe and sound from the stratosphere, at an altitude of thirty kilometres, after being sent by the European Space Agency. It is GranaSAT, an instrument designed and built by students and teachers from the University of Granada.

**Andrés Roldán**  
**Teacher at the University**  
**of Granada**

*"A supply system based in solar panels, a communication system that transmits the information collected by the satellite to Earth, a guidance control system."*

**Manuel Milla**  
**Student at the University**  
**of Granada**

*"A baffle that would avoid strange reflections in surfaces or stellar dust which was also built here at the University of Granada using a 3D printer."*

A set of devices that was introduced in this special cage. It is the first time that an Andalusian university is selected to participate in this program.

**Andrés Roldán**  
**Teacher at the University**  
**of Granada**

*"And our system was able to send to the Earth, from an area 300 kilometres away from where we received the signal, the images collected in the stratosphere."*

A camera integrated into the device obtained images with a high scientific value. The device has been a success and it is one of the pieces that will be included in the satellite that the University of Granada is planning to build.

**Andrés Roldán**  
**Teacher at the University**  
**of Granada**

*"Orbiting the Earth and sending the pictures taken by the cameras or by any sensor that we could install, sending information with scientific value to the Earth. We are also interested in having good professionals well trained in aerospace-related issues at the University of Granada."*

GranaSAT is a multi-disciplinary project that counts on students with different skills and degrees, who acquire knowledge and experience in a real situation.

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