



Successful launch of ANSER-Leader -S

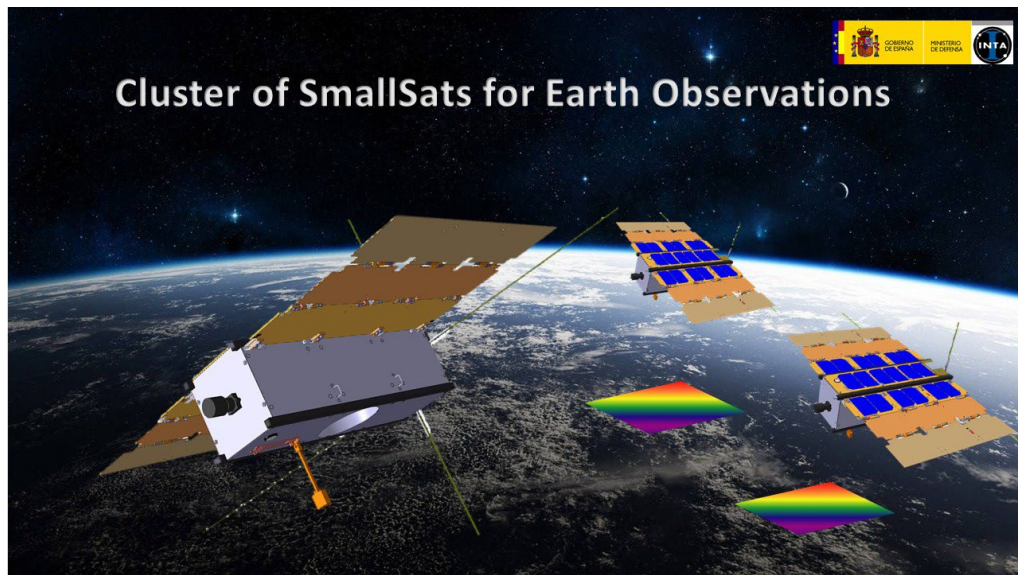
## INTA's ANSER program culminates the deployment of its satellite cluster with the launch of ANSER-L-S

19.02.2025. –On January 14, the INTA's ANSER-L-S satellite was successfully launched in Vandenberg (California, USA) using the Transporter 12 mission of SpaceX's Falcon 9 launcher. This important milestone culminates in the deployment of the ANSER satellite cluster.

57 minutes after launch and at an altitude of 515 kilometers above Earth, the ANSER-L-S satellite separated from the launcher to begin its space journey. This achievement was confirmed when the Mission Center located at CEIT-INTA (Centro Espacial INTA Torrejón) received the satellite's radio beacon, confirming its power-on after launch. The second contact with the satellite allowed telemetry to be received indicating that the systems were working properly.

This represents a crucial step in the development of the ANSER program. Over the next weeks, the operation teams will continue to monitor and calibrate the ANSER-LS systems to fully integrate them into the operational cluster.

With the success of this launch, the program reaffirms its commitment to technological innovation and advancement in space exploration.



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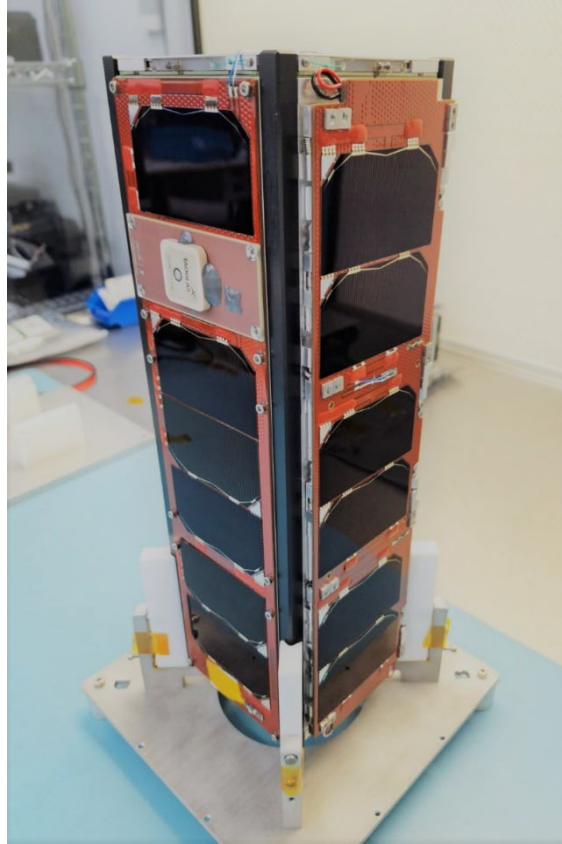
### About ANSER-L-S

The ANSER cluster, an acronym for Advanced Nanosatellites Systems for Earth Observation Research, consists of three 3U CubeSats and was launched in October 2023. Its main objective is to demonstrate state-of-the-art technologies, including innovative Formation Flight Control (FFC) methods for the cluster's orbital geometry based on passive aerodynamic effects (without propulsion) and Inter-Satellite Link (ISL).

One of the satellites (the so-called Leader) was lost due to a failure of the VEGA launcher. The system, despite lacking one of the satellites, has worked correctly.

ANSER-L-S has been carried out and put into orbit with the dual purpose of replacing the ANSER Leader satellite and providing S-band communications to the system, thanks to the patch antenna designed and qualified by INTA.

The ANSER Program began in 2018 and has been designed, developed and tested entirely at INTA, consolidating its presence in the global aerospace scene. In addition, the experience gained in this project will strengthen INTA's capacities to lead more ambitious initiatives.



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