



## #SSSIF2024 speaker

We are very proud that technology made in Spain has been present on Artemis since its inception and that we have contributed to the success of the first Orion mission in which our TCUs performed as expected

SSSIF Likewise, it seems that, after its participation in Ariane 5, the future of space transportation will not be understood without the critical contributions of Airbus Crisa...

FERNANDO Ariane 5 has been a very important programme for Airbus Crisa. In fact, it could be said to have been the basis of our initial growth. We have been involved in this program for 35 years, since its inception, providing electronics for critical functions and evolving them according to the needs of the launcher. This experience has allowed us to participate in the different versions of the VEGA launcher, from the very beginning as well. Today we are working on our units for Ariane 6 for which we have the mission of providing the core equipment of the launcher's electrical system, equipment which includes the onboard computer and is also in charge of the power management and communications, as well as the control of the cryogenic engines' electrovalves.

SSSIF Another program in which they have contributed key cutting-edge electronic technology is Copernicus.

FERNANDO Our activities in Copernicus have also been very important for the consolidation of key capabilities in our company, particularly in the area of front-end electronics for optical detectors. We have participated in all the first-generation satellites since Sentinel-2, being one of the Spanish companies with the largest presence in the program. In this new stage of Copernicus, we are particularly proud of our participation in the LSTM (Land Surface Temperature Monitoring) satellite, led by Airbus in Spain as prime contractor, to which we contribute with the Power Conditioning and Distribution unit, the Instrument Control unit and the instrument Front-end Electronics.

SSSIF The moon is key to Mars. But beyond Mars, there's Jupiter.... And 'Juice'...

FERNANDOAirbus Crisa participates regularly in the most important Solar System exploration and<br/>science missions. Still, the launch of JUICE last year was a very special milestone for us.<br/>Environmental factors such as the extreme radiation level surrounding Jupiter, or its<br/>remoteness from the Sun, as well as specific instrument requirements such as the high



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level of electromagnetic cleanliness, have posed unprecedented technology challenges to our power subsystem design. Under the premise that for the JUICE's success "each watt matters", we have developed innovative solutions that achieve the most efficient use of the energy available to the spacecraft, in every phase of the mission. This is something we are very proud of and that has allowed us to optimize our subsequent power unit designs with elements such as full digital control.

SSSIF Airbus Crisa is one of the major players in space exploration in Spain. What are its challenges in 2024?

FERNANDO We face the new year with great enthusiasm. In 2024 we are looking forward to two major milestones: the maiden flight of Ariane 6, of great relevance for the space sector in Europe and, in Spanish terms, the launch of the first Spainsat NG, for which Airbus is the prime contractor and to which we are contributing with the active antenna electronics, one of the most innovative technology elements of the satellite.

We will also deliver flight models for various programs, among which I would like to highlight the units we are developing for constellations. We are also planning the launch of two very important projects for our future growth. The first one, the start of operations of our new Test Area in Tres Cantos, a 2500 m2 facility dedicated to the electrical and environmental testing of our flight equipment. The second, the construction of our batteries factory, also in Tres Cantos, designed to provide service to the Ariane 6 program.

SSSIF That's right, Fernando, we will talk about all this and much more in just a few weeks in Malaga, where we will see each other, so thank you very much for giving us this interview.

FERNANDO

Thanks to you.