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Title: French Electro-Optical Bidding Network solar container communication station

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Who financed the optical ground station?

This development is supported by CNES and co-financed by a consortium of industrials: Safran Data System, OGS Technologies, ALPAO, and Airbus Defence and Space. The article presents the versatile architecture of the optical ground station. The optical instrument can be used for various applications, and optical benches are application-specific.

What are the applications of optical ground station?

The article presents the versatile architecture of the optical ground station. The optical instrument can be used for various applications, and optical benches are application-specific. The two main applications that are currently implemented in the station are LEO direct to earth data repatriation and satCOM feederlink.

What are Safran's optical innovations?

At the forefront of technological development, Safran's optical innovations complement its existing offerings for space communications on the market: TT&C modems, high-speed demodulators for Earth observation, multi-band parabolic antennas, electronically scanned antennas (AESAs), and more.

Au sol : FrOGS, la station optique du CNES située à l'Observatoire de la Côte d'Azur, conçue et réalisée pour le CNES par un consortium industriel 100% français (OGS ...

Thales Alenia Space, the joint venture between Thales (67%) and Leonardo (33%), has been selected by the French space agency CNES, as part of the space component ...

Unlike a traditional ground station with a radiofrequency (RF) antenna, an optical ground station consists of a telescope and ...

The article presents in its first part, the final architecture of the optical station, dedicated to LEO direct to earth data repatriation and SatCom GEO feeder link.

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The first communication links were achieved with various data rates by an Airbus ground station team in the Netherlands, relying on an existing ESA ground facility in Tenerife, Spain.

The article presents the versatile architecture of the optical ground station. The optical instrument can be used for various applications, and optical benches are application-specific.

Developed by Airbus Defense & Space in collaboration with CNES (French Space Agency) and hosted aboard the Arabsat Badr-8 satellite, TELEO features a laser terminal ...

Kepler has demonstrated full Space Development Agency (SDA) standard data rates and acquisition in multiple space-to-ground scenarios between Kepler's optical ...

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The first communication links were achieved with various data rates by an Airbus ground station team in the Netherlands, relying on an existing ESA ...

The FrOGS demonstrator was designed by #OGSTechnologies as a versatile station for CNES to carry on potentially ...

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