

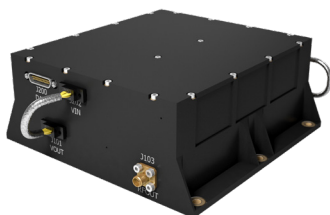


CNES and SYRLINKS celebrate the delivery of RF equipment for the benefit of the MERLIN mission

Press Release

Rennes, July 20, 2022,

SYRLINKS, world leader in the design of RF communication systems for the space domain and CNES – Centre National d'Etudes Spatiales, are pleased to celebrate together the delivery of the S-band transceiver - EWC29 and the X-band transmitter - EWC30 dedicated to the MERLIN mission. This is equipment allowing satellite telemetry and remote control for the EWC29 and image telemetry for the EWC30. Both devices comply with the ECSS Class 3 standards. The development and manufacture of these two pieces of equipment are part of the MYRIADE Evolutions platform sector developed with Thales Alenia Space and CNES and financed in particular thanks to the Investment Plan for the Future dated 2010.



*EWC30 – Emetteur en bande X
Micro/Mini satellites - ©Syrlinks*



*EWC29 – Emetteur-récepteur en bande S
Micro/Mini satellites - ©Syrlinks*

In 2028, the Franco-German satellite MERLIN (Methane Remote sensing Lidar mission) will be put into Earth orbit. Its mission: to measure the concentration of atmospheric methane with unparalleled unprecedented precision, in order to better understand the emission sources and absorption sinks of this greenhouse gas, which plays a decisive role in the disruption climatic. The development of the MERLIN satellite is the result of a collaboration between CNES and the DLR (German space agency).

“We are very proud to have been chosen by CNES for this project. We have taken up this challenge. The path was long and complicated, but we all succeeded together, thanks to this close collaboration between the CNES teams and the SYRLINKS teams. The projects we carry out with CNES are always exciting. But working for a mission that seeks to better understand the causes of climate change is even more motivating, because environmental issues are currently at the heart of societal concerns. We hope to work to bequeath a greener planet to our children. explains Bertrand Ekoué, Director of Programs at SYRLINKS.



“The S-band transceiver - EWC29 - required several years of work. The realization of such a small equipment, although secured by a perfect separation of the reception and transmission functions, and compliant with the ECSS Class 3 standard, is a success which we are very pleased about. We also thank the CNES for their technical support and valuable expertise. says Corinne Fournigault, project manager at SYRLINKS.

"Participating in this long-term technical project made us grow. Technical expertise, rigor and monitoring of spatial processes are a permanent challenge that the SYRLINKS team has taken up and brought to fruition. The support of our partners and the always positive follow-up of CNES have contributed to this success. We are now eagerly awaiting feedback on the use of our X-band transmitter - EWC30 - on the MERLIN mission. adds Xavier Martin, business manager at SYRLINKS.



"SYRLINKS is a major French player in the space sector which contributes to the success of the MYRIADE Evolutions sector and the institutional (including MERLIN) and commercial beneficiary missions. SYRLINKS' technological mastery is remarkable. The involvement of its employees is exemplary. The quality of SYRLINKS products is proven; in fact, equipment in orbit accumulates thousands of hours of nominal operation. The Rennes company seizes every opportunity to progress, and gain in maturity and efficiency, particularly in the context of the manufacture of flight models. If the CNES is a client of SYRLINKS, the Agency is concerned to also behave as a partner, in order to support SYRLINKS with rigor and integrity accompanied by pragmatism, discernment and benevolence. The future of SYRLINKS rests on its ability to innovate, by offering a catalog of spatial quality products, and by relying on its highly experienced employees and the bold new generations. concludes Bruno Millet, MYRIADE Evolutions and MERLIN project manager at CNES.

ABOUT SYRLINKS

Syrlinks, is a French company, founded in 2011 near Rennes. The company designs and delivers worldwide RF communication products to address four market segments: Space, Defense, Safety and Time-frequency.

The company which today consists of more than 175 people has successfully delivered more than 1000 Flight models for Space, which represents more than 800 years of on-orbit time with 100% reliability!

The Space business unit has developed four product ranges: TT&C, Telemetry Transmitters, GNSS and SDR Payload. This meets different market segments in terms of satellite integration (Nano/Cubesat, Micro and Mini satellites) and in terms of applications such as Earth Observation, Satcom, GNSS Services, LEO PNT, Spectrum

Syrlinks masters the design of reliable product based on COTS (Components-Off-the Shelf) components, enabling cost-reduction for New Space.

Its products have been used in many high-profile space missions such as Rosetta, Myriades/Myriades-evolutions, Proba-V, OneWeb Satellites, Pléiades-Neo, Argos Neo, Microscope, etc. Syrlinks works with prestigious clients and partners worldwide such as Airbus, OneWeb Satellites, the CNES (the French national agency for space studies), the European Space Agency (ESA), Thales Alenia Space, Hemeria, OHB, QinetiQ, etc.

More infos at syrlinks.com

ABOUT CNES - LE CENTRE NATIONAL D'ÉTUDES SPATIALES

Founded in 1961, the Centre National d'Études Spatiales (CNES) is the government agency responsible for shaping and implementing France's space policy in Europe.

To execute the nation's space policy, CNES relies on strong shared values like excellence, enthusiasm and the desire to rise to the challenges that lie ahead.

Our 2,357 men and women are working hard to lay plans for the future, make French industry more competitive and sustain scientific and operational excellence.

With our four centres in Paris, Toulouse and French Guiana, we are helping to extend the influence of French space policy.