



NewSpace

● **Synspecive selects Syrlinks X-Band transmitter for its StriX β satellite** ●

Press Release

In Cesson-Sévigné, France, October 5th, 2021.

Syrlinks, the worldwide leader in the design of RF Communication systems for Space and Synspecive, a Japanese satellite space operator, are proud to announce their partnership in the integration of Syrlinks’s compact X-Band Telemetry Transmitter, in the framework of the StriX β mission.

StriX β is Japanese synthetic aperture radar satellite built by Synspecive as a demonstrator for their planned 30 satellites constellation. It will feature an X-band synthetic aperture radar. The satellites are micro satellites in the range of 100-kilogram capable of imaging at a resolution of one to three meters. By 2023 the company plans to launch the six first satellites of the constellation.

For this project, Synspecive has elected a compact X-Band transmitter solution from Syrlinks. This solution authorizes to establish High-Data-Rate downlink from the satellite down to the ground station to receive all the data as required for the mission.

It features latest state-of-art transmission technology such as DVB-S2 ModCods to maximize bandwidth usage and communication link efficiency.



Syrlinks global portfolio for X-Band transmission

“We are very proud for having been elected by Synspecive for this project. It’s a great opportunity for us to highlight the unmatched capabilities of the DVB-S2 based signal performances for High-Data-Rate downlink transmission.” says Eric PINSON, Director of Space activity at Syrlinks.



“It is a great recognition of a work of several years to design COTS based compact X-Band transmitters, highly reliable and bringing cutting-edge transmitting performances.”, adds Eric.



“For our StriX β satellite, which objective is to demonstrate the future capability of our coming-next 30 satellites constellation, we were looking for a high-performance compact X-Band Transmitter. The fact that the solution proposed by Syrlinks can achieve high data rate based on DVB-S2 has been decisive in our selection.” said Akeshi Inoshita, Project Manager at Synspecive.

ABOUT SYRLINKS

Syrlinks designs, develops and manufactures radiocommunication and geolocation products for four market segments: Space, Defense, Safety and Time-Frequency.

The Space business unit has developed four product ranges: TT&C, Telemetry Transmitters, GNSS and SDR Payload. This meets different types of satellite integration (Nano/Cubesat, Micro and Mini satellites) and addresses several fields of application such as Earth Observation, Satcom, GNSS Services, LEO PNT, Spectrum monitoring, etc.

Since its creation in 2011, Syrlinks has mastered 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, OHB, QinetiQ, etc. Over the last couple of years Syrlinks has initiated business relationships with key players of the space sector in the Middle East and is willing to pursue its business development in this region.

More infos at syrlinks.com

ABOUT SYNSPECTIVE

Founded in 2018 and with its headquarters in Tokyo (Japan), Synspective provides one-stop solutions using geospatial data from its own SAR satellites, upon its mission to create a progressive world based on real data.

The core technology was developed by the ImPACT program led by The Cabinet Office, Government of Japan.

Synspective is building a constellation of its own small SAR satellites to provide its data and analytic information to governments and commercial outfits.

Representative: Motoyuki Arai, CEO.
More infos at synspective.com

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