

Press release

## Expleo to unveil new satellite payload testing innovation at Space Tech Expo Europe 2025

*New radiofrequency test bench developed in partnership with Connektica, NANOWAVE Technologies and Rohde & Schwarz, to reduce development time, increase efficiency and help scale satellite payload validation*

**Bremen, Germany XX November 2025** – Expleo, in collaboration with Connektica, NANOWAVE Technologies, and Rohde & Schwarz, will showcase a next-generation satellite payload test bench demonstrator at Space Tech Expo Europe 2025.

The new solution targeting space and NewSpace OEMs, will be hosted on the Expleo booth at Europe's premier space industry event, stand A38 in Hall 4.

Built specifically for the event, the custom-designed Hardware-In-the-Loop (HIL) test bench integrates advanced RF instrumentation to simulate and analyse satellite payload performance under realistic conditions. The solution is engineered to accelerate development cycles, reduce errors, and scale validation across R&D, manufacturing, and maintenance environments.

The new test bench is the result of the collective know-how of the four companies. Expleo's systems engineering, AIT (assembly, integration and testing) and RF test systems expertise, proven in delivering test solutions for numerous Space programmes, have been combined with Connektica's aerospace-grade MES platform for AIT automation, NANOWAVE Technologies' high-reliability RF subsystems with over 6,500 transmit/receive modules, and precision test and measurement instrumentation aligned to EN9100 standards from Rohde & Schwarz.

**Valentin Martelet, Space Offer Lead, Expleo, said:** *"With more and more organisations trying to leverage the unique benefits which space data can unlock for their businesses, accelerating time-to-market and operational efficiency of satellite development is of huge importance to the industry. This test bench is the composite of niche and in-demand expertise from four industry leaders, which has been proven time and again on successful space missions."*

---

**Ralph Kirchhoff, Market Segment Manager Aerospace & Defence at Rohde & Schwarz, emphasized:** "Modern satellite payloads demand a holistic approach to testing, moving beyond component-level verification. Rohde & Schwarz is proud to contribute instrumentation that facilitates comprehensive, system-level validation within this innovative test bench. By ensuring the cohesive performance of the entire setup, we're helping to accelerate the delivery of reliable and high-performing satellite solutions."

**Jeremy Perrin, CEO, Connektica, added:** "What we're showing in Bremen is a blueprint for industrialising payload validation: system-level testing with the AIT workflow automated, data unified, and repeatability built in from day one."

**Ralf M. Bertenburg, VP Sensor Technologies & SW Development, commented:** "As a designer and manufacturer of highly reliable RF payload assemblies it is mandatory to have fast and reliable test capabilities because of the vast amount of evaluated data points per unit necessary to qualify for their critical and demanding mission in space. We are happy to support this activity with one of our latest K/Ka-band Transmit/Receive assemblies that is used in high quantities on huge satellite constellations today."

[Learn more about Expleo at Space Tech Expo 2025.](#)

[Learn more about Expleo services for the space industry.](#)

--ENDS--

---

### **About Expleo**

Expleo is a global engineering, technology and consulting service provider that partners with leading organisations to guide them through their business transformation, helping them achieve operational excellence and future-proof their businesses.

Expleo benefits from more than 50 years of experience developing complex products, optimising manufacturing processes, and ensuring the quality of information systems.

Leveraging its deep sector knowledge and wide-ranging expertise in fields including AI engineering, digitalisation, hyperautomation, cybersecurity and data science, the group's mission is to fast-track innovation through each step of the value chain.

As a responsible and diverse organisation, Expleo is committed to doing business with integrity and working towards a more sustainable and secure society.

Expleo boasts an extensive global footprint, powered by 18,000 highly skilled experts delivering value in 29 countries and generating €1.4 billion annual revenue.

For more information, visit [expleo.com](https://expleo.com).

### **Media contact**

Jennifer Forster  
Marketing Coordinator  
[info@expleogroup.com](mailto:info@expleogroup.com)

## **About Rohde & Schwarz**

Rohde & Schwarz is striving for a safer and connected world with its Test & Measurement, Technology Systems and Networks & Cybersecurity Divisions.

For over 90 years, the global technology group has pushed technical boundaries with developments in cutting-edge technologies. The company's leading-edge products and solutions empower industrial, regulatory and government customers to attain technological and digital sovereignty.

The privately owned, Munich based company can act independently, long-term and sustainably. Rohde & Schwarz generated a net revenue of EUR 3.16 billion in the 2024/2025 fiscal year (July to June). On June 30, 2025, Rohde & Schwarz had more than 15,000 employees worldwide.

## **Media contact** Europe (headquarters):

Patrizia Muehlbauer

+49 89 4129 0

[press@rohde-schwarz.com](mailto:press@rohde-schwarz.com)

## **About Connektica**

Connektica is an MES for high-complexity manufacturing small and mid-market businesses. It digitizes work instructions, automates manufacturing/testing, and unifies manufacturing & test data. It enables manufacturers to cut production cycle time while strengthening quality control and regulatory compliance.

Based in Montreal and Toulouse, the company serves aerospace and defense customers in Canada and Europe.

For more information, visit [connektica.com](http://connektica.com)

## **About NANOWAVE**

NANOWAVE Technologies Inc. is a world-class designer and manufacturer of advanced microwave, millimeter-wave and electro-optic components and sub-systems for aerospace, space, maritime and terrestrial applications.

NANOWAVE is a Canadian design and manufacturing company founded in 1992 on a mission to provide high reliability, cutting-edge RF solutions. With more than 6,500 operational RF payload assemblies in orbit NANOWAVE has proven its capability of providing high value of ownership and quality for radar and communication systems especially in the critical space and aerospace markets.

NANOWAVE is vertically integrated with own housing capabilities and automated manufacturing of hybrid RF module assemblies using AI-based methods for design for manufacturability and quality assurance.

For more information, visit: [nanowavetech.com](http://nanowavetech.com)

## **Media contact**

Jolanta Goodwin

Sales Manager

[sales@nanowavetech.com](mailto:sales@nanowavetech.com)