Luxembourg opens first Mobile Newton Room to inspire future STEM and aviation talent

Minister for Mobility and Public Works inaugurates mobile STEM classroom in partnership with Boeing, Luxembourg Tech School, Luxair, and First Scandinavia.

Luxembourg today officially opened its first Mobile Newton Room, a mobile, hands-on STEM classroom designed to inspire young people to explore science, technology, engineering and mathematics through a realistic aviation scenario.

The opening ceremony took place in the presence of Yuriko Backes, Minister for Mobility and Public Works, alongside representatives from Luxembourg Tech School, First Scandinavia, Boeing, and Luxair.

Installed directly in front of the International School of Luxembourg, on the Geesseknäppchen campus, the Mobile Newton Room consists of two expandable containers that transform into a 70 m² high-quality classroom equipped with state-of-the-art flight simulator stations. Over the coming weeks, the facility will welcome classes from schools across Luxembourg for a dedicated STEM learning experience.

A five-hour mission “Up in the Air with Numbers”

During their visit, students aged around 13 to 16 take part in a five-hour module entitled “Up in the Air with Numbers”. Working in small teams, they are asked to:

- calculate a flight plan for a rescue mission, and
- then execute this flight using advanced simulator panels inspired by real aircraft cockpits.

In doing so, they discover how mathematics and physics are applied in real-life aviation situations, turning abstract school subjects into concrete and engaging problem-solving tasks.

The Mobile Newton Room in Luxembourg is operational from 19 January to 13 February 2026, with one module session per day for groups of 18-20 students. Around 20 classes are expected to participate during this period, meaning that approximately 400 students will benefit from the programme. The offer is open to schools from across the Luxembourg education system.

Public–private partnership for future skills

The Newton Room concept is part of Boeing’s global engagement in education and STEM, within its broader ESG and corporate citizenship activities, and has been developed by implementation partner First Scandinavia. In Luxembourg, the project is implemented in partnership with Luxembourg Tech School, which acts as the key local educational operator, and Luxair, the national carrier, as supporting partner.

Luxembourg Tech School coordinates the participation of schools and runs the educational activities on site. Its teaching team and local instructors have been trained by experienced trainers from First Scandinavia to deliver the “Up in the Air with Numbers” module. The programme is offered free of charge to participating classes.

For Boeing and Luxair, the Mobile Newton Room forms part of a broader commitment to investing in future skills, quality education and equal opportunities for young people, complementing their long-standing industrial partnership in commercial aviation. Luxair is currently embarking on a long-term fleet renewal programme that includes new Boeing 737 aircraft.