

The Photonic Expertise of III-V Lab serving Europe

For the first time, facing the challenges of technological sovereignty and the rise of photonics, III-V Lab delivers three trainings on strategic domains : "Digital Infrastructures" and "Safety, Security & Space".

Palaiseau, 12/17/2025 : III-V Lab is one of the 36 partners in the PhotonHub PHACTORY project considered as a one-stop-shop for photonics innovation in Europe. (This project has received funding from the European Union's Horizon Europe programme under the Grant Agreement n° 101189537). Proud to be a Demo and experience Centre of PhotonHub PHACTORY project, III-V Lab offers technical training, to support start-ups and SMEs for the rapid integration of photonic technologies at the heart of their innovations and to allow strengthening the local business community.

Why Photonics will be at the heart of tomorrow's innovations

III-V Lab is convinced of the capabilities of photonics in terms of potential innovations and wishes to convince local actors of the relevance of integrating it into their products. As an industrial research laboratory, III-V Lab is at the heart of an ecosystem between university research and industry.

" Photonics is an important lever for strengthening Europe's industrial autonomy. With these trainings, we want to empower businesses to embrace these technologies in order to accelerate their innovation and conquer tomorrow's markets. ", says Jean-René Bois, Chairman & Managing Director of III-V Lab.

Understand what is Photonics and how to implement it

It is by explaining the steps of simulation, design, manufacturing, packaging and measurements that photonics will become accessible to all.

III-V Lab masters all these steps and in particular epitaxy, a process for depositing III-V materials which have special optical properties such as that of generating or amplifying light, and for the heterogeneous integration of materials (such as silicon and III-V).

Support start-ups and SMEs in integrating photonics into marketed products

With a strong track record of developing innovative technologies in both strategic domains – "Digital Infrastructures" and "Safety, Security & Space" – to meet the needs of its parent companies Nokia, Thales, and CEA-Leti, III-V Lab offers more than just training; it provides dedicated support to companies planning to use photonics in their products or are thinking about doing so.

III-V Lab thus offers to guide and support, by proposing collaborations, to accelerate the transition from R&D to commercialization, and thereby allowing to expand and strengthen the ecosystem around French and European photonics.

Privileged access to deeptech technologies with III-V Lab

- On-site training : 29 January 2026 at Palaiseau (9:00-17:30)
- Digital Infrastructures Webinar : 6 February 2026 (10:00-12:00)
- Safety, Security & Space Webinar : 6 February 2026 (14:30-16:30)

Limited places – Free under conditions - Information and mandatory registration: <https://photonhub.eu>

About III-V Lab

III-V Lab is a joint lab between Nokia, Thales and CEA-Leti, dedicated to industrial research and development of optoelectronic and microelectronic components based on III-V semiconductors, and their integration with silicon circuits. Created in 2004, III-V Lab brings together 120 researchers in the Paris region and relies on expertise and technological resources of CEA-Leti's at Grenoble. III-V Lab has prototyping and production start-up resources to foster the emergence of high added-value component technologies which are then transferred to the industrial entities of the parent companies or their partners. www.3-5lab.fr

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