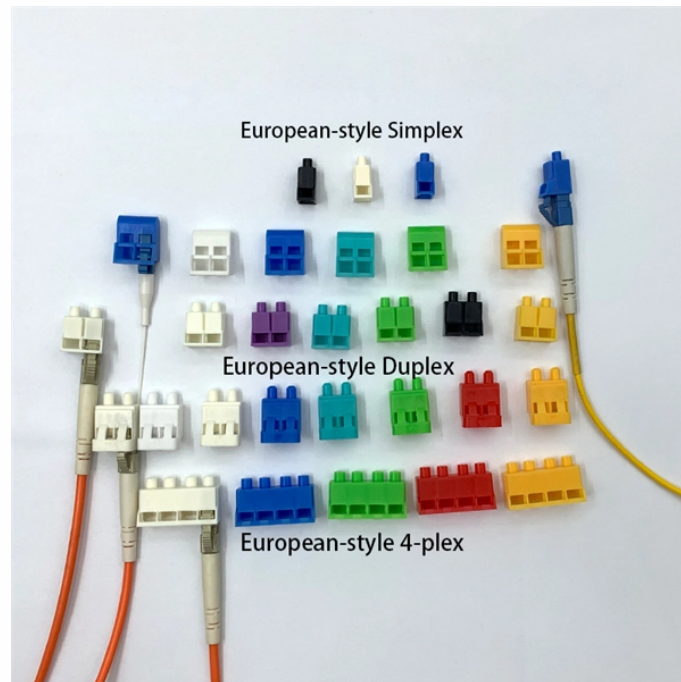


Dutch silicon photonics technology 10G



Overview

Founded in 2022, the startup has developed a way to integrate III-V materials and silicon onto a single chip that can handle light better, use less power, and be mass-produced for things like faster internet, smarter AI systems, and high-precision sensors. Today, 9 March 2026, TNO, High Tech Campus Eindhoven and partners launched a new era for European tech. We are building Europe's first industrial-scale facility for Indium Phosphide photonic chips at a 6-inch wafer scale. With an investment of €150. GX Group Launches €49 mln 'GX Quantum Photonics'. Photonics is set to revolutionise solutions for major societal challenges, from improving road safety and health monitoring to enhancing data security. Additionally, the scaling up from 4-inch to 6-inch wafers. Majority of the switch ports in AI back-end Networks to be 800 Gbps in 2025 and 1600 Gbps in 2027, showing a very fast migration to the highest speeds available in the market. A total of 380 million euros in public investment has been made available for this project by Europe and eleven participating countries. Eindhoven-based startup Photon IP has raised €4.

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The development of photonic chips is still in a relatively early phase, but will most likely play a key role in high-tech sectors where speed and energy efficiency are of great importance.



With this financing, PHOTON IP will accelerate industrialization and commercialization of its breakthrough technology that efficiently combines silicon photonics with active III-V materials.



The Dutch optical systems and integrated photonics market is experiencing rapid growth driven by innovations in telecommunications, medical technology, and automotive sectors.



Silicon-based photonic IC platform, commonly known as silicon photonics (SiPh), has become one of the main highlights of the cooperation, given its compatibility to the CMOS process for...



Maximum reliability in AI with 800G Silicon Photonics Optics Cisco expertise in Silicon Photonics spans over 20 years and more than 5 million units Silicon photonics technology allows to share laser ...



From data centers to autonomous vehicles, from quantum networks to medical diagnostics, the Dutch integrated photonics ecosystem is steadily evolving from a technology platform orientation toward an ...



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The new pilot line connects knowledge institutions and companies and will have a central place in the growing Dutch integrated photonics ecosystem. The factory in Eindhoven will also ...

Contact Us

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