



Wave Photonics and Luceda Photonics Partner to Accelerate PIC Design for Non-Standard Wavelengths



Cambridge, United Kingdom and Ghent, Belgium – January 22, 2025

[Wave Photonics](#) and [Luceda Photonics](#) are proud to announce their new partnership, enabling the integration of Wave Photonics' advanced component libraries into the [Luceda Photonics Design Platform](#). Luceda users can now leverage [Wave Photonics' libraries](#) for non-standard wavelength applications alongside the existing vast offer [Luceda PDKs](#), accelerating the design of complex photonic systems across diverse applications such as sensing, quantum, LiDAR, VR, and more.

This integration enables designers to take full advantage of Luceda's tightly coupled layout and simulation capabilities, using [Wave Photonics' component library](#) with support for [S-parameters](#) and process variability data. The ability to perform accurate simulations facilitates performance optimization and reduces the risk of costly design iterations.



James Lee, CEO of Wave Photonics, said, "Building integrated photonic devices can be a challenging process, especially for applications that require new materials or wavelengths away from telecom bands, such as quantum technologies or biosensors. By working together, Wave and Luceda can significantly reduce the barriers to building a functioning device, unlocking the potential of many integrated photonics-based technologies."

Pierre Wahl, Chief Commercial Officer and Founder of Luceda Photonics, added, "We are pleased to partner with Wave Photonics to make their component library available in the Luceda Photonics Design Platform. This collaboration offers PIC designers novel design possibilities and reduces the need for custom component design, accelerating product development for applications requiring non-standard wavelengths in quantum, AR-VR, or sensing, where custom component design is often required."

About Wave Photonics

Wave Photonics is using computational techniques to create tools and IP to enable and accelerate the development, mass production and adoption of these technologies. We believe that many obstacles integrated photonics technologies face can be removed using a combination of simulation, statistical modelling and optimization techniques, so we're creating and testing a new way to approach photonics design. For more information, visit <https://wavephotonics.com>.

About Luceda Photonics

Luceda Photonics is a leading provider of photonic integrated circuit (PIC) design software and services. The Luceda Photonics Design Platform enables designers to design, simulate, and optimize photonic integrated circuits (PICs) and empowers photonic designers to quickly achieve their tape-out, getting their designs right the first time. For more information, visit www.lucedaphotonics.com.

Media Contacts

Wave Photonics

Ilaria Sanzari

ilaria.sanzari@wavephotonics.com

Luceda Photonics

Deren Baysal

deren@lucedaphotonics.com