

## **Wave Photonics announces collaboration with Cadence and PDK compatibility with Cadence EPDA Environment**

**Cambridge, United Kingdom - 7<sup>th</sup> March 2025**

Wave Photonics, a startup focused on developing high-performance and fabrication-tolerant process development kits (PDKs) for silicon photonics and other integrated photonics processes, announces that all of its PDKs are now compatible with the Cadence® electronic/photonic design automation (EPDA) environment. With this new update, users of Wave's PDK can immediately leverage the power and flexibility of Cadence's Virtuoso® Studio and Spectre® platforms for chip layout, taking advantage of its code-based design utilising the Cadence SKILL® programming language and advanced Cadence Virtuoso CurvyCore™ capabilities.

The ongoing collaboration means that Wave's PDKs will continue to be updated to take advantage of the features of future Virtuoso Studio and Spectre platform updates as Cadence continues to expand its offering to photonics customers.

Cadence EPDA users will now be able to effortlessly take advantage of Wave Photonics PDK features to develop integrated photonics products, including the recently released Silicon Nitride for Quantum (SiNQ) PDK covering wavelengths from 493nm to 1550nm, the upcoming Wave telecoms PDK covering all of the telecom's bands across multiple platforms, and the QPICPAC turnkey prototype packaging service.

James Lee, Wave Photonics CEO, said, "This integration offers Cadence users a streamlined route to developing photonic integrated circuits by combining the advantage of a leading EDA tool with state-of-the-art component designs. Users developing telecoms and datacoms products, technologies using visible wavelengths, or quantum applications can take advantage of this capability to reduce the number of development cycles by using ready-to-go component designs and packaging solutions."

Gilles S.C. Lamant, distinguished engineer and Virtuoso Platform architect at Cadence, said, "Enablement for more PDKs and their extension from traditional



photonics into quantum represents an exciting evolution around our Virtuoso Studio and Spectre EPDA environment. We are thrilled to work with Wave Photonics in support of our mutual customers.”

### **About Wave Photonics**

Wave Photonics, based in Cambridge, UK, develops cutting-edge design technology to drive the advancement and mass adoption of integrated photonics. The company uses a fabrication-aware computational model, to facilitate the rapid development of PIC designs. The company empowers engineers to design their chips for a wide range of wavelengths and many challenging applications including telecom/datacom, space-comm, sensing, quantum, optical computing, and diagnostic and healthcare sensing.

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