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# Aeluma to Showcase Breakthrough Technologies at SPIE Photonics West January 28 - 30, 2025 in San Francisco, California

*Driving Innovation in Scalable Semiconductors for Sensing, AR/VR, AI and Quantum Computing*

**GOLETA, CA / ACCESSWIRE / December 12, 2024** [/Aeluma, Inc.](#) (OTCQB:ALMU), a semiconductor company specializing in high performance, scalable technologies for mobile, automotive, AI, defense and aerospace, communication and quantum computing, will highlight its latest advancements in photonic integration and shortwave infrared (SWIR) sensing at [SPIE Photonics West](#), which occurs January 25 - 30, 2025 at the Moscone Center in San Francisco. During this global photonics event, Aeluma will showcase how its innovations are redefining sensing, communication, and AI infrastructure.

Attendees can explore Aeluma's scalable and transformative solutions that integrate high performance materials with large-diameter Silicon substrates for next-generation technologies. Featured solutions include:

- **SWIR Photodetectors:** Delivering scalable and high performance sensors for AR/VR, mobile phones and tablets, smart devices, defense and aerospace, and autonomous systems.
- **Quantum Dot Lasers for Silicon Photonics:** Advancing optical interconnects for AI and HPC infrastructure.
- **Quantum Computing:** Leveraging 12-inch wafer technology to merge high performance materials with scalable manufacturing platforms.
- **Next-Generation Applications:** Transforming future advanced-node semiconductors for 5G/6G, AI, and quantum computing.

## Discover How Aeluma is Transforming Photonics

Join Aeluma's experts at [Booth 2164](#) at the [SPIE Photonics West Exhibition](#) at the Moscone Center during January 28 - 30 to learn how its proprietary heterogeneous integration platform is advancing applications across a wide range of applications.

To meet with the Aeluma team at the event, attendees are encouraged to contact the company at [info@aeluma.com](mailto:info@aeluma.com).

## **About Aeluma, Inc.**

Aeluma develops cutting-edge semiconductor and optoelectronic technologies for sensing, communication, and AI applications. Aeluma has pioneered advanced semiconductor manufacturing techniques using high-performance compound semiconductor materials on large-diameter substrates commonly used for mass-market microelectronics. The technology has the potential to enhance performance and scale manufacturing for a range of industries, including defense and aerospace, automotive, AR/VR, AI, and quantum computing. Headquartered in Goleta, California, Aeluma focuses on transforming high-performance photonic technologies critical for emerging applications and broad market adoption. Learn more at [www.aeluma.com](http://www.aeluma.com).

## **Forward-Looking Statements**

All statements in this press release that are not historical are forward-looking statements, including, among other things, statements relating to the Company's expectations regarding its market position and market opportunity, expectations and plans as to its product development, manufacturing and sales, and relations with its partners and investors. These statements are not historical facts but rather are based on the Company's current expectations, estimates, and projections regarding its business, operations and other similar or related factors. Words such as "may," "will," "could," "would," "should," "anticipate," "predict," "potential," "continue," "expect," "intend," "plan," "project," "believe," "estimate," and other similar or related expressions are used to identify these forward-looking statements, although not all forward-looking statements contain these words. You should not place undue reliance on forward-looking statements because they involve known and unknown risks, uncertainties, and assumptions that are difficult or impossible to predict and, in some cases, beyond the Company's control. Actual results may differ materially from those in the forward-looking statements as a result of a number of factors, including those described in the Company's filings with the Securities and Exchange Commission. The Company undertakes no obligation to revise or update information in this release to reflect events or circumstances in the future, even if new information becomes available.

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