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# SkyWater Receives Funding from DOD, Partners with Google to Facilitate Open Source Design for its new 90 nm Technology Offering

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Open source program enables a pipeline for IP creation, accelerates innovation and provides a pathway to volume production

BLOOMINGTON, Minn.--(BUSINESS WIRE)-- **SkyWater Technology** (NASDAQ: SKYT), the trusted technology realization partner, today announced it is receiving $15 million in funding from the Department of Defense (DOD) to facilitate open source design for its 90 nm process offering, part of the previously announced $27 million investment. To enable this initiative, SkyWater has partnered with Google, through **Google Public Sector** and company-wide engineering teams, to build on its commitment to open source silicon. SkyWater previously **announced** a partnership with Google to enable open source design of custom application-specific integrated circuits (ASICs) on its 130 nm mixed-signal CMOS process through the open source SKY130 PDK.

SkyWater's new commercial SKY90-FD open source offering is based on MIT Lincoln Laboratory's 90 nm fully depleted silicon on insulator (FDSOI) CMOS process technology. Through this latest government funded program at SkyWater, innovation that is enabled by open source design is focused on commercial use of this technology.

According to Dr. Matthew Kay, the DOD program manager for this project, "Investments in commercial endeavors such as the partnership between SkyWater and Google is another example of how the Department of Defense can leverage technology advancements within the open source community to effectively and efficiently improve our defensive posture for the future."

The DOD is using many **OSS (Open Source Software) programs** which play a growing role in mission-critical systems and defense applications that must perform repeatedly and reliably. Open source accelerates innovation through cumulative efforts and fosters trust due to its transparency, which enables identification of design flaws and malicious code, something that is not always possible with proprietary software. This use of open source has greatly improved technology and furthered the state of the art in the defense of the United States.

**Google** has a long-standing history of **supporting open source silicon** as both a founding member of the RISC-V Foundation and the Linux Foundation's CHIPS Alliance project, along with an active role in the Open Compute Foundation. The open source model taps into a talent pool of software engineers to design chips in code and run design simulations that test, optimize, and validate specific chip designs. As a result, chip designers are able to iterate and innovate faster, and they have more frequent tape-outs than previously realized through more traditional models. Google became involved in open silicon with the goal of driving down cost over time and reducing barriers to entry for hardware startups and small businesses.

"Through this important investment from the DOD and collaboration with Google, we will enable open source design for our commercial SKY90-FD process technology, creating an IP pipeline and pathway to commercial volume manufacturing," said SkyWater President and CEO, Thomas Sonderman. "This will expand our 90 nm foundry offering as a platform for innovation and productization here in the U.S."

"Our public-private partnership with the DOD and SkyWater enables a new era in accessible, collaborative chip design that will be driven by an open source ecosystem," said Will Grannis, CEO of Google Public Sector. "Our collaboration will help address the historical limitations of chip design and production for national defense by improving accessibility for researchers and developers to innovate faster and at lower costs. Google provides the compute, engineering know-how and platform that accelerates chip design; SkyWater provides the next-gen chip design system and fabrication in a secure commercial environment; and the DOD investment makes this all scalable and accessible."

For technical information on the SkyWater-Google open source initiative, please visit:**Google Open Source Blog (googleblog.com**).

## About SkyWater Technology

SkyWater (NASDAQ: SKYT) is a U.S. investor-owned semiconductor manufacturer and a DMEA-accredited Category 1A Trusted Foundry. SkyWater's Technology as a ServiceSM model streamlines the path to production for customers with development services, volume production and heterogeneous integration solutions in its world-class U.S. facilities. This pioneering model enables innovators to co-create the next wave of technology with diverse categories including mixed-signal CMOS, ROICs, rad-hard ICs, power management, MEMS, superconducting ICs,

photonics, carbon nanotubes and interposers. SkyWater serves growing markets including aerospace & defense, automotive, biomedical, cloud & computing, consumer, industrial and IoT. For more information, visit: **www.skywatertechnology.com**.

## SkyWater Technology Forward-Looking Statements

This press release contains "forward-looking" statements within the meaning of the Private Securities Litigation Reform Act of 1995, including statements that are based on the Company's current expectations or forecasts of future events, rather than past events and outcomes, and such statements are not guarantees of future performance. Forward-looking statements are subject to risks, uncertainties and assumptions, which may cause the Company's actual results, performance or achievements to be materially different from those expressed or implied by such forward-looking statements. Key factors that could cause the Company's actual results to be different than expected or anticipated include, but are not limited to, factors discussed in the "Risk Factors" section of its annual report on Form 10-K and quarterly reports on Form 10-Q, and in other documents that the Company files with the SEC, which are available at **http://www.sec.gov**. The Company assumes no obligation to update any forward-looking statements, which speak only as of the date of this press release.

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