

Sivers Semiconductors granted EUR 496,070 (approx. 5 MSEK) for design, development and characterization of Multi-element RF Antenna circuitry

Sivers Semiconductors AB (publ) ("Sivers") today announces that its business unit, Sivers Wireless, has been granted 496,070 Euro within PARALIA, a new ambitious EU HORIZON Research and Innovation Actions Project launched on January 1st 2023 that aims to develop fundamental innovations in the field of automotive and aerospace applications. The project is coordinated by Aristotle University of Thessaloniki in Greece and will be running throughout the period of January 2023 to June 2026. The total EU funding for PARALIA amounts to 4,995,910 Euro.

The consortium is bringing together six leading industrial partners, and three top-ranked academic and research institutes in the PIC and Photonic Systems value chain.

The project aims to demonstrate breakthrough performance by enabling an agile, low-cost, and energy-efficient multi-sensor that combines RADAR and LiDAR technologies and by re-architecting the sensor ecosystem enabling ultra-high resolution at ultra-long distances crucial for current and futuristic automotive and aerospace applications.

The project targets a powerful common LiDAR/RADAR optical multibeam beamforming platform that will be developed based on the best-in-class multi-port linear optical operator architectures exploiting the synergy of InP and SiN integration platforms.

Sivers Wireless will drive the specification, design, and characterization of a two-dimensional beamforming 77-GHz automotive radar front-end that can be integrated with the common LIDAR/RADAR platform in the project. The 64-channel radar front-end design will leverage the extensive mmWave RFIC and antenna design experience from the 5G wireless field in the company.

"This is an excellent acknowledgement of Sivers Semiconductors as a top tier supplier to be chosen for this project. We have via our Photonics business unit worked on the Lidar sensors for automotive use cases and now also getting EU funding for Radar applications as a possible emerging market within Wireless is very encouraging," says Anders Storm, CEO Sivers Semiconductors.

For further information on the program: <http://paralia-horizon.eu>

Read the PARALIA press release on Sivers web page:
<https://www.sivers-semiconductors.com/press-releases/>



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Sivers Semiconductors AB is a leading and internationally recognized technology company that supplies ICs and integrated modules through its two business areas Wireless and Photonics. Wireless develops mmWave products for advanced 5G systems for data and telecommunications networks and satellite communication. The portfolio includes RF transceivers, beamforming front end ICs, integrated mmwave antennas, repeaters, and software algorithms for optimum mmWave RF performance. Photonics develops and manufactures semiconductor based optical products for optical fiber networks, sensors and optical fiber communications (Li-Fi). The company is listed on Nasdaq Stockholm under SIVE. The head office is located in Kista, Sweden. For more information: <http://www.sivers-semiconductors.com>