

Sivers Semiconductors enters new emerging radar markets

Sivers Semiconductors AB (publ) ("Sivers") today announces that its close cooperation with the Canadian start-up aiRadar has resulted in a revolutionary line of sophisticated radar products. By leveraging Sivers' unique RFIC and antenna technology, aiRadar is now revealing a new recipe for developing highly advanced radar products in various relevant applications and verticals.

Given the development within commercial security, automotive security and autonomy, there is a need to find sensor solutions that lower the complexity, energy consumption and size of sophisticated radar systems. The conflict in Ukraine has also put the spotlight on military applications including advanced radar functionality.

Sivers Semiconductors' customer, aiRadar, has been working several years to enable a new approach to develop economic and affordable solutions for advanced radar systems based on a single hardware platform, common interfaces and small footprint supporting multiple applications, multiple modes, and multiple missions.

These new products combine the latest RF technology with advanced features like synthetic and real aperture radar functionality, interferometry, cognitive radar capabilities and moving target identification among others. All of which can be achieved using, more or less, Sivers standard products.

"It is great to see how reuse of our standard products can open the door to new verticals using existing and mature products in a totally different application. Many years back we were active in the radar eco-system and now we can offer products in this area and add innovation and unique value to a very interesting product platform that may change the way our joint customers will develop future high performing radar products," said Anders Storm, Group CEO of Sivers Semiconductors.

Based on Sivers' advanced electronically scanned phased array technology, aiRadar is now offering a line of products that simplify the complex and time-consuming development effort to realize an advanced radar system meeting the challenging requirements on performance, functionality, size, weight, and cost.

To learn more, please see the Sivers Insight article "It has never been easier to develop compact, sophisticated radars with low size, weight, power and cost", <https://www.sivers-semiconductors.com/insights/it-has-never-been-easier-to-develop-compact-sophisticated-radars-with-low-size-weight-power-and-cost/>

and for a technical deep dive, please see the Cover Feature of Microwave Journal September issue, <https://www.microwavejournal.com/articles/38807-advanced-multi-mode-multi-mission-software-defined-mmwave-radar-for-low-size-weight-power-and-cost>

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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>*

***aiRadar, Inc.** is a leading and internationally recognized technology company that develops state of the art software defined multi-mode mmWave radars and technology for commercial and military use. The product portfolio includes a series of ultra-small modular interferometric radars to service both research and application specific markets in land, sea and air domains. aiRadar's software ecosystem encompasses a radar programming language (aiRPL) with an integrated software development environment (IDE), a radar command and control processor (aiRPU) and radar processors for real and synthetic aperture radars. aiRadar, inc. is in Vancouver, BC, Canada.*