

NEWS RELEASE

(for immediate publication)

SP Devices AB has received an order from Saab for the development of a new advanced signals generation and recording solution for the airborne radar system Carabas.

This new project follows several previous orders in the field of advanced radar and LIDAR for SP Devices.

Conventional airborne surveillance techniques, including electro-optical sensors and microwave radars, cannot detect targets hidden beneath foliage or camouflage netting.

However, the Carabas radar provides unparalleled foliage and camouflage penetration (FOPEN) performance assuring state-of-the-art complete ground situation detection capabilities that meet the most demanding requirements.



Photo by Saab/Stefan Kalm.

“This new data recording and signal generation system opens up for new ground breaking development of the recognized Carabas radar system” says Hans Hellsten, developer of Carabas at Business Area Electronic Defence Systems, Saab.

SP Devices was awarded this advanced project to develop the central data acquisition system including real-time data recording for Carabas. The data acquisition is based on several SP Devices high-speed Compact PCI Express digitizers (SDR 14).



The high-speed SSD (Solid State Disc) recording system is optimized for recording the radar data from the digitizers. The transmission is enabled by the SDR14's standard embedded arbitrary wave form generator. Other required advanced features are channel synchronization and image processing capacity.

All electronics are integrated into a custom built enclosure to meet the tough environmental requirements.

“SP Devices digitizer technology is quickly becoming necessary for advanced signal processing in radar applications. We are glad to provide added value to such a prestigious customer as Saab”, said Tomas Wolf, CEO of SP Devices.

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About SP Devices

SP Devices (Signal Processing Devices Sweden AB and Signal Processing Devices Inc.) provides digital signal processing IP for the enhancement of analog-to-digital conversion and high-speed digitizers. SP Devices' portfolio of products enables customers to build advanced systems with state-of-the-art analog-to-digital performance that advances the areas of test and measurement, software defined radio, radio base station transceivers, digital imaging, high-speed data acquisition and broadband communication. Additional company and product information is available at www.spdevices.com.