

Saab ATM Selects Cambridge Pixel's RadarView Software for SR-3 Airport Surface Movement Radar Integration

- *RadarView radar visualisation software used during development and deployment of Saab's SR-3 radar to assess output of ASTERIX CAT-240 video*
- *RadarView now also used at airport installation sites for radar assessments, detailed integration and optimisation of SR-3 radar ahead of commissioning*
- *Addition of new RadarView features include slant range projection, user defined maps, analysis window and recording of analysis window*

CAMBRIDGE, United Kingdom, December 15, 2014 – Saab Air Traffic Management (ATM) (www.saabsensis.com), a global provider of advanced air traffic management sensors and systems, has selected Cambridge Pixel's RadarView radar visualisation software to support integration and optimisation of its SR-3 Airport Surface Movement Radar (SMR).

Engineers in Saab ATM's operation in Syracuse, New York, needed a tool that received ASTERIX CAT-240 network video and scan-converted this into a plan position indicator (PPI) image that could be overlaid with map data.

Following the successful use of Cambridge Pixel's RadarView software during the development and deployment of its new SR-3 solid state X-band radar, Saab saw the potential to use RadarView running on a laptop as a tool to bring up the transceiver before the rest of the infrastructure was in place. This enabled Saab ATM to put the radar in service faster for its valued customers.

The RadarView software was extended by Cambridge Pixel's team to add new features desired by Saab. This included enhanced analysis and recording of selected areas of video (min, max, average, standard deviation) in addition to support for user-defined maps and slant-range projection of the radar video, to compensate for a radar located on a tower or airport infrastructure.

The SR-3 is Saab's third-generation solid state SMR and fully complies with applicable FAA and EUROCAE standards with raw video output in industry standard ASTERIX CAT-240 format. The SR-3 features the antenna, transceiver and radar data processor in a complete package and is a proven solution for airports that need to replace existing SMRs, augment coverage due to growth or are fielding an SMR for the first time.

Commenting on the contract, Richard Warren, Cambridge Pixel's software director, said: "We are delighted to be working with Saab ATM to support their airport-based radar programmes and have worked closely with their engineers to understand and meet their needs. RadarView is now used by Saab at airport installation sites for radar assessments, detailed integration and optimisation of the SR-3 radar ahead of commissioning.

“Our engineering team has decades of experience of developing complex radar processing and display systems and extensive knowledge of radar distribution systems based on the ASTERIX CAT-240 standard. This standard is increasingly being adopted by forward-looking radar manufacturers, such as Saab ATM, because it gives customers greater control of how they integrate the sensor.”

RadarView is Cambridge Pixel's PC-based radar visualisation software. It is a complete ready-to-run Windows application that receives, processes and scan converts multiple channels of radar video in PPI (plan position indicator) view, and, for more specialist requirements, supports B-Scan and A-Scan formats - the latter is especially useful for radar configuration and set-up.

Cambridge Pixel's RadarView software is part of its SPx suite of software libraries and applications which provide highly flexible, ready-to-run software products or 'modules-of-expertise' for radar visualisation, radar video distribution, plot extraction and target tracking.

Cambridge Pixel's technology has been implemented in mission critical applications with companies such as BAE Systems, Barco Defense, Blighter Surveillance Systems, DRS, Exelis, Kelvin Hughes, Lockheed Martin, Navtech Radar, Raytheon, Saab ATM, Samsung Thales, Tellumat and Toshiba.

For more information on Cambridge Pixel's software, please visit www.cambridgepixel.com or call: +44 (0) 1763 852749 or email: enquiries@cambridgepixel.com.

Press release and photo:

<http://www.cambridgepixel.com/news/>

Product data sheet:

<http://www.cambridgepixel.com/files/Datasheets/radarview.pdf>

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About Saab ATM (www.saabsensis.com)

Saab serves the global market with world-leading products, services and solutions ranging from military defence to civil security. Saab has operations and employees on all continents and constantly develops, adopts and improves new technology to meet customers' changing needs.

About Cambridge Pixel (www.cambridgepixel.com)

Cambridge Pixel is a specialist developer of sensor processing and display solutions including primary radar interfacing, processing and display components for military and commercial radar applications. It is a world-leading supplier of software-based radar tracking and scan conversion solutions through its modular SPx and Secure-X software and HPx hardware product range. Based near Cambridge in the UK, the company operates worldwide through a network of agents and distributors.

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