News Release

Cambridge Pixel Supplies Radar Trackers to Enhance Target Detection at Chinese Airports

CAMBRIDGE, United Kingdom, October 18, 2017 – Cambridge Pixel, a developer of radar display, tracking and recording sub-systems, is supplying radar trackers, through local agent Aeroer, to the Second Research Institute of Civil Aviation Administration of China (CAACSRI) for integration with their modern airport surface movement systems.

CAACSRI's airport surface movement systems are currently being installed for upgrade and expansion projects in airports across south-west China, including at Chongqing Jiangbei International Airport, a major hub for the region. Cambridge Pixel's SPx radar tracking software will provide enhanced target detection at the airports.

Engineers at CAACSRI needed a low cost, open, highly configurable software-based radar tracker for integration with its own airport surface movement systems. It was important that the tracker worked seamlessly with a range of radars and supported different tracking configurations in user-defined areas, allowing faster targets to be tracked on runways while minimising false alarms in other areas.

Mr Wang, project manager of CAACSRI, said: "We selected Cambridge Pixel's radar tracker as it met all our requirements. It is clearly one of the best-in-class software-based radar data extractor and target trackers we have seen. It provides target track identification, heading and speed for targets within radar coverage and it is proven to work effectively in busy airports."

Cambridge Pixel's SPx radar tracker is fully parameterised, highly configurable and supports multi-hypothesis and multi-model tracking to improve tracking efficiency and reduce nuisance alarms. The tracker is designed to operate with many different radar types including those from Raytheon, Kelvin Hughes, Blighter Surveillance Systems, Saab Sensis, Furuno, JRC, Koden, Navtech Radar, Sperry and Terma.

David Johnson, CEO, Cambridge Pixel, said: "Our sophisticated radar tracker enhances target detection by processing the video data to identify genuine targets from clutter and thereby provide radar operators and air traffic controllers with confidence and improved situational awareness.

"Furthermore, we have deliberately designed our software 'modules of expertise' as discrete yet feature-rich components that are easy to integrate into any radar based surveillance solution. This is attractive in many markets, such as China, where one or more components can be adopted by the local solution provider as part of an in-country capability."

Cambridge Pixel's SPx radar tracking software is part of the company's world-leading SPx suite of software libraries and applications providing highly flexible, ready-to-run software products for radar scan conversion, visualisation, radar video distribution, target tracking, sensor fusion, plot extraction and clutter processing.

Cambridge Pixel's radar technology is used in naval, air traffic control, vessel traffic, commercial shipping, security, surveillance and airborne radar applications.

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

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About Cambridge Pixel (www.cambridgepixel.com)

Founded in 2007, Cambridge Pixel is a developer of sensor processing and display solutions including primary and secondary 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 software, and HPx hardware product range. Based near Cambridge in the UK, the company operates worldwide through a network of agents and distributors.

About CAACSRI

Founded in 1958, as a unique application technology institute in the civil aviation sector, the Second Research Institute of CAAC has dedicated to application research on civil aviation science and technology. It has formed a test and assessment system based on fundamental research, and has created a complete technology innovation system and business service mode covering civil aviation R&D, consultation, design, products and project implementation.

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