

Kelvin Hughes Partners with Cambridge Pixel to Speed Time to Market for CxEye™ Security Display Solution

- *Cambridge Pixel's SPx software modules - radar acquisition, target tracking, fusion, camera control, map display and command & control functions - enable Kelvin Hughes to deliver its CxEye™ integrated camera and radar display package on time and on budget*

CAMBRIDGE, United Kingdom, April 3, 2014 – Kelvin Hughes (www.kelvinhughes.com), a world leader in navigation and surveillance solutions and the developer of the SharpEye™ solid state X-band radar, has partnered with Cambridge Pixel (www.cambridgepixel.com) to speed the time to market of its CxEye™ integrated multi-sensor integration and surveillance control display solution.

Engineers within Kelvin Hughes Surveillance business in Enfield, north of London, England, needed software components for its new display for processing and display of radar and video in multi-sensor security applications. With pressure on time and budget, the company turned to sensor processing and display specialist Cambridge Pixel for a solution from its hardware-agnostic SPx range of software modules.

Kelvin Hughes selected modules for radar acquisition, display, multi-hypothesis target tracking, fusion, camera control, map display and control functions. These were integrated into an easy-to-use, touch-screen-capable display that combines sensor data from multiple SharpEye™ radars, along with geo-referenced maps and multiple cameras. Radar tracks are displayed in an easy-to-understand format to assist the user to evaluate and coordinate a response through a 'detect, recognise, identify and then classify' methodology.

Jonathan Field, director of the surveillance security business at Kelvin Hughes, said: "We have been delighted to build upon our existing partnership with Cambridge Pixel in the development of the CxEye™ software. It has been a resounding success and has enabled us to develop the CxEye™ solution on time and on budget. The two teams worked seamlessly on the project and we were impressed not just by the software modules but also by Cambridge Pixel's responsiveness throughout the project.

"Cambridge Pixel's best-of-breed software modules have enabled the CxEye™ solution to be built with a modular, extensible architecture which allows us to offer a wide spectrum of surveillance solutions from single sensor, single cameras through to multiple nodes with separate command and control. It perfectly complements our SxV radar (a lightweight radome version of SharpEye™) developed for the land security market. We launched both products at the end of 2013 and the combination has been really well received by our target market, providing, as it does, proper integrated situational awareness to unskilled operators, with minimal training requirement!"

David Johnson, Cambridge Pixel's managing director, said: "We are delighted that Kelvin Hughes has selected our SPx software components to provide the core processing and display capabilities at the heart of its CxEye™ integration and surveillance display software.

"Our field-proven software components support the presentation of multiple overlapping radar videos with underlay maps, overlay tracks and symbology. Cameras can be selected and slaved to tracks updated from the radar or controlled manually by an operator in response to threats."

Kelvin Hughes CxEye™ software, launched in late 2013, is part of the company's security surveillance portfolio. CxEye™ integrates multiple sensors, such as radars and cameras, into a single, easy-to-use touch-screen-capable display package. It is targeted at security and surveillance applications including border/perimeter security and critical infrastructure protection.

Cambridge Pixel's world-leading SPx suite of software libraries and applications provide highly flexible, ready-to-run software products or 'modules-of-expertise' for radar scan conversion, visualisation, radar video distribution, plot extraction, clutter processing, target tracking and track fusion.

Cambridge Pixel's engineering team has decades of experience of developing complex radar processing and display systems for naval, air traffic control, vessel traffic, Electronic Chart Display and Information Systems (ECDIS), security and airborne radar applications.

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, Samsung Thales, Tellumat and Toshiba.

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

To accompany this news release, a high resolution photograph is available at: <http://www.cambridgepixel.com/news/>

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About Kelvin Hughes (www.kelvinhughes.com)

Kelvin Hughes Surveillance division is a global provider of surveillance and navigation radar systems for land and sea environments. The company is over 250 years old, employs over 350 people, operates 12 offices in eight countries and supplies 30 of the world's navies. The company has a long tradition of technology firsts, most recently with SharpEye™ solid state radar; leading subsequent applications in multiple markets and through different radar products due to scalable nature of the technology.

Kelvin Hughes' surveillance division provides coherent SharpEye™ and non-coherent radar technologies capable of detecting the smallest of targets and lowest velocities in clutter, meeting the surveillance, safety, and security needs of the world's navies, coastal and border agencies, and security patrols. Headquartered in London, UK, there are three divisions of Kelvin Hughes: Surveillance Systems, Marine Systems and KH Charts.

About Cambridge Pixel (www.cambridgepixel.com)

Cambridge Pixel is a UK-based 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 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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