CAMBRIDGE PIXEL
SENSOR PROCESSING & DISPLAY SOLUTIONS

Suritec bolsters Hyperstar C2/ABI system with best-in-class sensor fusion software from Cambridge Pixel

- *SPx Fusion supports the fusion of primary radar video with secondary (AIS and ADS-B) data received from ship and aircraft transponders*
- *SPx software enables Suritec to cut Hyperstar development time and costs*

CAMBRIDGE, United Kingdom, June 19, 2013 – Suritec (www.suritec.co.za), a leading supplier of C4ISR and patterns of life analysis systems in South Africa, has added Cambridge Pixel's sensor fusion (SPx Fusion) and video display software to its Hyperstar command & control (C2) and activity-based intelligence (ABI) system.

Suritec needed a best-in-class software solution to fuse tracks from primary radar video with secondary AIS and ADS-B data received from ship and aircraft transponders. The ability to fuse data from the same source into a single track was important to provide target validation and create a less cluttered display for the operator and thereby improving critical decision making.

Ryno Goosen, managing director of Suritec, said: "Cambridge Pixel's software is quite simply brilliant. The company's flexible integration architecture allows us to buy just the 'modules of expertise' we need – in this case SPx Fusion and SPx Scan - to support the processing and display of radar video, sensor fusion and scan conversion of primary radar video.

"By integrating Cambridge Pixel's best-of-breed software code into Hyperstar we have cut our development time and costs massively, and, most importantly, it has enabled us to deliver this additional capability in time for the launch of Hyperstar at a major defence exhibition, the Land Forces Africa expo in July."

Suritec's Hyperstar software provides a flexible software architecture for the fusion and overlay of sensor and geo-referenced data into a co-ordinated display that can assist in real-time domain awareness, targeting analysis and critical decision making. Suritec systems are designed for use in a wide range of defence, law enforcement and private surveillance applications from coastal surveillance and monitoring fishing exclusion zones to disaster tracking, anti-poaching and infrastructure protection.

David Johnson, Cambridge Pixel's managing director, commented: "Our SPx software provides components that add advanced radar fusion and display capabilities into existing C2 solutions. The flexible and modular design of Suritec's own software mirrors this concept, and allows existing SPx capabilities to be easily added to the Hyperstar software to support localisation of applications and meet specific country requirements."

SPx Fusion and SPx Scan are part of Cambridge Pixel's world-leading 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. SPx also provides a powerful set of processing and display components for capture and presentation of radar video using the capabilities of modern multi-core processors and graphics processor units (GPUs).

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, Kelvin Hughes, Lockheed Martin, Navtech Radar, Raytheon, Samsung Thales, Tellumat and Toshiba.

For more information on Cambridge Pixel's SPx software and its range of commercial-off-the-shelf (COTS) solutions, please visit www.cambridgepixel.com or call: +44 (0) 1763 852749 or email: enquiries@cambridgepixel.com.

To download a datasheet on SPx Fusion, follow this link:
http://www.cambridgepixel.com/products/SPx-Fusion/

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

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About Suritec (www.suritec.co.za)

Suritec specializes in Knowledge and Intelligence Support Systems. The company has considerable experience in designing and implementing practical Knowledge Management (KM), and intelligence management solutions across a wide spectrum of public and private industries. Suritec's strength lies in deploying software systems in support of command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) and the intelligence analysis process with the help of tools such as visual analytics, dynamic platform and sensor modeling, communication link analysis, radar system and real-time data feed integration. Suritec is based in Cape Town and Johannesburg, South Africa.

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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