Cambridge Pixel Supplies Software Modules to Lockheed Martin for Naval Vigilance Radar System

Cambridge Pixel (www.cambridgepixel.com), a developer of primary radar, acquisition, processing and display solutions, is supplying software modules for radar scan conversion, target tracking and radar fusion to Lockheed Martin (www.lockheedmartin.com) for integration into the new Naval Vigilance Radar system. This will be fitted on more than 60 Royal Navy platforms over the next five years.

Cambridge Pixel's software modules will be integrated into Lockheed Martin's Naval Vigilance Radar system. The radar scan conversion module receives radar data from the Kelvin Hughes SharpEye™ radar and creates a radar image for display with underlay and overlay graphics.

The radar tracking module processes the radar data to automatically acquire and track targets, and the radar fusion software combines tracks from multiple radars on the ships with AIS (automatic identification system) transponder data and other sensor data into a single, integrated data source.

During the development and test phase of the new navigation radar system, Cambridge Pixel has also supplied radar simulation and recording capabilities from its established SPx product family.
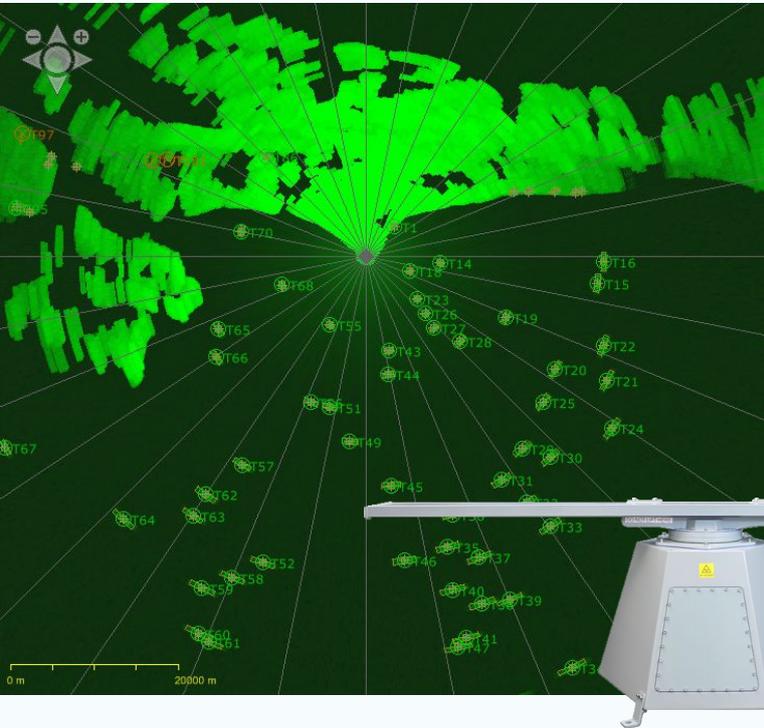
The RDR Radar Data Recorder captures raw video from the sensor as ASTERIX CAT-240, along with AIS data and navigation data.

David Johnson, CEO of Cambridge Pixel, said, "We are delighted to be working alongside Lockheed Martin's engineers on this major upgrade of the navigation radars on the UK Royal Navy's fleet of ships. Our technology software modules fit well with Lockheed Martin's vision of developing a navigation radar system that meets the Royal Navy's needs now but that also has a clear route to adding extra functionality in the future".

Commenting for Lockheed Martin, a spokesperson said: "We selected Cambridge Pixel because of their unparalleled background and experience in all aspects of radar processing and display – in particular target tracking. Their engineers were already familiar with the Kelvin Hughes SharpEye™ radar transceiver – which was a major benefit for this contract - and have always demonstrated a real desire to work with our team, engineer to engineer, to assist us with the integration process".

Cambridge Pixel's world leading SPx suite of software libraries and applications provide systems integrators with highly flexible, ready-to-run software products for radar visualisation, radar video distribution, plot extraction and target tracking. Cambridge Pixel's engineering team has decades of experience of developing complex radar processing and display systems for naval, air traffic control, vessel traffic, security and airborne radar applications. ■

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

High resolution photographs to accompany this news release are available at:
http://www.cambridgepixel.com/news/

Lockheed Martin
www.lockheedmartin.com

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 98,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

Cambridge Pixel
www.cambridgepixel.com

Cambridge Pixel is a UK-based specialist developer of 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 product range. Based near Cambridge in the UK, the company operates worldwide through a network of agents and distributors.