

Cambridge Pixel Supplies RadarWatch and Target Tracking Technology to National Coastwatch Institution's Felixstowe Station

- *RadarWatch display application and tracking software will significantly improve surveillance capability and help to protect lives along the Felixstowe coastline*
- *New equipment will allow automatic slew-to-cue of cameras to targets detected by the two Simrad radars and provide an integrated screen display of radar video, tracks, camera and AIS transponder data*

CAMBRIDGE, United Kingdom, March 5, 2019 – Cambridge Pixel, a developer of radar display, tracking and recording sub-systems, is supplying its RadarWatch coastal surveillance software and target tracker to the National Coastwatch Institution's (NCI) Felixstowe station. The new equipment will significantly improve surveillance capability and help to protect lives along the local coastline.

The combination of Cambridge Pixel's SPx tracker and the RadarWatch display application will allow automatic slew-to-cue of cameras to targets detected by the two Simrad radars covering the south beach and the River Deben entrance. It will also provide the NCI watchkeepers with an integrated screen display of radar video, tracks, camera and AIS ship transponder data. This consolidated display will ease the burden on the watchkeepers and enable faster, clearer and better-informed decisions.

Felixstowe Coastwatch is one of 54 stations around the UK's shores and is located on top of Martello Tower P and manned by a team of 55 highly trained volunteers (3 volunteers per shift). The team keep a watch over the sea and beaches for small vessels, wind and kite surfers, and swimmers in distress. They also monitor radio channels and report incidents to HM Coastguard at Dover.

Ian Clarke, Felixstowe Coastwatch, said: "The new equipment will greatly improve our watchfulness over the Felixstowe coastline, particularly our surveillance of the entrance to the River Deben, a local trouble spot where boats can run aground. We have one of our radars and a CCTV camera on a 9-metre mast at this location and RadarWatch enables the camera to swivel and follow targets detected by the radar automatically, a very difficult and time-consuming exercise to do manually.

"Another helpful feature is the software's ability to fuse primary radar tracks with data from AIS ship transponders," said Ian Clarke, "as this will enable us to quickly identify a vessel, and, if it goes missing, confirm the identity and last known location to HM Coastguard."

Andrew Haylett, principal engineer, Cambridge Pixel, said, "We are delighted to be providing our RadarWatch and tracking technology to the Coastwatch team in Felixstowe to help them to improve the safety of this busy coastline. Our cost-effective Windows-based display solution fuses information from radar sensors, transponders and cameras to present a consolidated view of maritime information."

RadarWatch is designed for coastal surveillance, small port & harbour security applications. RadarWatch can display tiled maps, S57/S63 electronic charts, video from up to 2 radars and 16 cameras, within multiple windows and across multiple screens. It is compatible with a wide range of radar scanners, including those from Kelvin Hughes, Simrad, Terma and Furuno, and provides a common software architecture that can be scaled to single or multi-sensor installations.

The RadarWatch software accepts open data formats such as ASTERIX and NMEA-0183 and works with other Cambridge Pixel software applications, including SPx Fusion, SPx Camera Manager and SPx Radar Data Recorder. Augmented vision is also implemented within RadarWatch to fuse primary radar tracks with data from ship (AIS) and, where appropriate, aircraft (ADS-B and IFF) transponders and then display this as an overlay to camera video.

Cambridge Pixel's radar technology is used in naval, air traffic control, vessel traffic, commercial shipping, security, surveillance and airborne radar applications. Its systems have been implemented in mission-critical applications with companies such as BAE Systems, Frontier Electronic Systems, Blighter Surveillance Systems, Exelis, Hanwha Systems, Kelvin Hughes, Lockheed Martin, Navtech Radar, Raytheon, Saab Sensis, Royal Thai Air Force, Sofresud and Tellumat.

For more information about RadarWatch, the SPx tracking server or other products from Cambridge Pixel, please visit www.cambridgepixel.com or call: +44 (0) 1763 852749 or email: enquiries@cambridgepixel.com.

Media photo:

www.cambridgepixel.com/news

Data sheet:

<https://www.cambridgepixel.com/products/RadarWatch/>

-ends-

About the National Coastwatch Institution (www.nci.org.uk)

The National Coastwatch Institution (NCI) is an entirely voluntary organisation keeping a visual watch along UK shores. Each station assists in the protection and preservation of life at sea around the UK coastline. Currently, there are 54 operational NCI stations manned by over 2400 volunteers to provide eyes and ears along the coast, monitoring radio channels and providing a listening watch in poor visibility.

About Cambridge Pixel (www.cambridgepixel.com)

Cambridge Pixel is an award-winning 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.

Media contact:

Martin Brooke (for Cambridge Pixel)
Martin Brooke Associates
Tel: +44 (0) 1223 882174 (office)
Tel: +44 (0) 7776 135402 (mobile)
Email: martin@cambridgepixel.com