KELVIN HUGHES LAUNCHES
NEW COMMERCIAL SHIP RADAR

Designer and supplier of navigation and security surveillance systems, Kelvin Hughes, announced on 2 September the launch of a new range of radar systems for commercial shipping based on its innovative, solid-state SharpEye™ technology.

Its SharpEye™, with Doppler processing of the radar returns, has taken situational awareness to a new level with its ability to detect more targets, at longer ranges, than conventional, magnetron-based radar systems, it is understood. Kelvin Hughes reports that its SharpEye™ can detect targets with a low Radar Cross Section (RCS), typically 0.5m², without any picture degradation even in adverse weather.

The new radar range for commercial shipping includes SharpEye™ S-band radar technology that meets the challenges of safety of navigation and collision avoidance at sea through a clever combination of radar techniques designed to provide the best performance in all conditions.

Furthermore, it is understood that detection performance of SharpEye™, despite a low peak transmission power of less than 200W, is much improved over a 30kW magnetron radar. High reliability and low routine maintenance of the unit is promised.

Working with the transceivers as part of a fully redundant networked system, the radar display provides radar, chart radar and Electronic Chart System (ECS) information to support navigation, route planning and training. Type-approved (MSC192/79 / IEC 62388 ED2), it features dual PPI (Plan Position Indicator), collision warning, spy scope and Enhanced Target Detection (ETD) mode.

In addition to its SharpEye™ systems, the new Kelvin Hughes commercial shipping range also includes an X-Band Series 12kW Upmast Radar.

Spike Hughes, Kelvin Hughes’ Sales and Marketing Director, commented: ‘Kelvin Hughes has long been at the forefront of navigation radar for the world’s commercial shipping fleet. We are confident that our new range of products – combining state-of-the-art technology with affordability – will keep us in that position in the years to come.’
Kelvin Hughes has been supplying IMO type-approved radar to merchant ships, fishing vessels and workboats since the 1940s, delivering reliability and low cost of ownership together with high superior detection capability.

A supplier of radar to more than 25 of the world’s navies, Kelvin Hughes also has thousands of systems installed in cargo ships, cruise ships (including *Queen Mary 2*), fast ferries and offshore support vessels.

With HQ in Enfield, North London, UK, Kelvin Hughes operates a worldwide support network with offices in the UK, the US, Singapore, Denmark and The Netherlands that meet customers’ round-the-clock requirements.