



Type 45 Navigation and Communications Training

Under contract to BAE Systems SEA produced the Navigation and Communications Training package for the Training Unit of the Royal Navy's latest vessel, the Type 45 First of Class, HMS DARING.

The Type 45 is an Anti-Air Warfare Destroyer and will be the most powerful ship of its type, ever operated by the Royal Navy. The Fully Integrated Communications System (FICS) provides high integrity communications, both internal and external, to the entire ship.

The Navigation System provides sensors, processing and control facilities that send onboard systems up-to-date data, such as ship position, velocity and attitude. The sensors and processing facilities also support accurate navigation, visual and blind pilotage and collision avoidance, as well as performing radar surveillance of objects at sea level.

Each training course provides equipment familiarisation, career skills and consolidation training for both Operators and Maintainers.

The Training Units (TU) chosen deployment solution was through a SCORM Learning Management System (LMS). SCORM revolves around use of individual low granularity "chunks" of training media relating to specific items of equipment or individual tasks. The LMS then provides the ability to stitch these together into a course. Thus SCORM enables maximum flexibility and the re-use of training media within varied courses.

The SEA team produced storyboards, 2D and 3D media assets and the Graphical User Interface and specific functionality to be applied to the media assets. The end product is media objects that the TU will incorporate into their courses. In total, SEA produced up to 600 'chunks' of learning and 20 different sets of Fault Analysis Learning Objects.

About the Type 45 Anti-Air Warfare Destroyer

The Type 45 Anti-Air Warfare Destroyer will provide the backbone of the Royal Navy's air defence fleet until 2040 and beyond. It is a versatile warship that will provide unprecedented detection and defensive capability, efficiency and living standards.



BAE Systems is the prime contractor for the multi-billion pound Type 45 programme, which is engaging hundreds of companies from across UK industry and beyond.