



CASE STUDY

Type 45 Navigation & Communications Training



SEA has been contracted by BAE Systems to produce 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 will provide equipment familiarisation, career skills and consolidation training for both Operators and Maintainers.

The Training Units (TU) chosen deployment solution is 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.

Over the last year, the SEA team has been producing 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 will produce up to 600 'chunks' of learning and 20 different sets of Fault Analysis Learning Objects.

Now at the Final Design Review stage, the team is looking forward to a new year of production for its Instructor-led, interactive training media.

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 when the first of class, HMS Daring, comes into service in 2009.

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.