Details:

- KBR Training Solutions has developed a comprehensive virtual training solution for the two Landing Helicopter Dock (LHD) ships delivered to the Australian Navy in 2014. The LHDs are the largest ships ever to sail in the Australian Navy fleet and present a range of new challenges, including determining the best method for providing training that does not impact greatly on the ships’ operational availability.

- KTS provided a comprehensive real-time 3D virtual environment learning experience for:
  - Whole Ship and Joining Ship familiarisation training
  - High Voltage Awareness familiarisation training
  - Damage Control familiarisation training
  - Marine Engineering familiarisation training for 14 ship-wide systems
  - A desktop Part-Task Training capability

- This training solution utilises and builds upon the LHD Ship Walkthrough Computer Model (SWCM) previously delivered by KBR Training Solutions and already accepted by the Australian Navy.

- The system architecture includes integration with the client’s SCORM compliant Learning Management System, and supports future cost-effective development and expansion options.

- The solution represents a ‘serious games’ approach to single and multi-training in a photorealistic, immersive real-time 3D environment. The LHD virtual ship training solution’s architecture utilises Crytek’s CryEngine® 3 game engine.

- The LHD virtual training solution is deployed in a dedicated classroom environment, but can also be deployed on board the actual ship.

Continued on following page
Client: Australian Government Department of Defence through BAE
Entity: KBR Training Solutions
Location: Canberra, Australia
Scope: Comprehensive Virtual Training Solution

Highlights:
- KBR’s virtual training solution for the LHD provides a range of benefits, including:
  - Lower overall training and operating costs
  - Increased trainee safety
  - Improved on-board productivity of sailors
  - Enhanced training system availability, flexibility and portability
  - Support for individual and team-based training exercises
  - Technical accuracy through real-time rendering of the ship and components based on authorised data including detailed engineering drawings
  - Enhanced ship operational availability
  - Almost unlimited potential expansion options, such as operational rehearsal training, load-master training, systems maintenance training, or even real-time links with external training simulators.