



Market: Defense

Customer: US NAVY – MH-60S Knighthawk

Problem: MH-60S Knighthawk entered service in 2002. US NAVY needed training and education solutions for its Naval Air Training & Operating Procedure & Standard (NATOPS). Solutions had to be SCORM conformant and web-based to support use in classroom and in forward deployed situations.

Solution: Bridgeborn developed and deployed a web-based graphical user interface and interactive, 3D content for training on complex processes and procedures. The solution was conformant with ADL's Shareable Content Object Reference Model (SCORM) and allowed for web-delivery as well as use in LAN or desktop environments. Features and functionality included interactive, 3D capabilities like rotate and zoom as well as dynamic features such as dissolves, animations and fly-ins / fly-throughs of the cockpit to educate trainees on complex arrangements, equipment and critical procedures (i.e. "windline rescue pattern").

Value to Client: The web-based training solution provided the MH-60S community with best-available interactive, 3D content and an extensible html framework for inclusion of future training material. The solution was web-accessible to support distance learning and was SCORM conformant, allowing for "plug and play" reuse across multiple platforms such as Learning Management Systems and Content Management Systems. With interactive, 3D features in the Bridgeworks© scene, the training time necessary to educate students on complex procedures and systems was reduced. Additionally, the ability to "train by doing" in 3D scene is both effective and engaging, and has been proven in multiple studies to increase retention rates thereby reducing need for continued, extensive training.

Services Provided	
	Analysis
	SDE&I
✓	Data Visualization
	Support Services
✓	Training and Education
	Research and Development

