



## Littoral Combat Ship Case Study

### CHALLENGE

The U.S. Navy required a state-of-the-art, high-fidelity immersive visual system for a maritime bridge simulator to train crewmembers on its Littoral Combat Ship Independence (LCS 2), an innovative high-speed trimaran combatant ship intended to operate in coastal areas around the world. The objective was a visual display to provide an immersive environment and realism for the training.

### SOLUTION:

The contractor chosen for the job, General Dynamics Advanced Information Systems (GD-AIS), selected Scalable Display Technology's EasyBlend™ software to calibrate the visual system, which immerses the entire simulated bridge in a realistic virtual environment. The system comprises 15 short-throw projectors on a combination of articulated and flat screens with a set of 8 cameras used for data collection. It has been built to deliver a 180-degree view from the bridge with the crisp, clear visuals necessary for effective training. By selecting EasyBlend, General Dynamics was able to calibrate the display with unmatched geometric precision and edge blends to create a highly realistic, immersive visual display.

### IMPACT:

EasyBlend made the creation of the seamless virtual maritime environment simple and easy for users. The combination of EasyBlend and the CSC Virtual Ship® software used delivered an environment that is nearly identical to conditions the crew would experience at sea in the real ship. The precision of the edge-blending between projectors makes the perspective view from the bridge very convincing.


### ABOUT SCALABLE DISPLAY

Scalable Display Technologies, Inc. is a leading provider of auto-calibration software used to create edge-blended displays. Its patented EasyBlend™ software, developed a decade ago at MIT, simplifies the creation of super-resolution, multi-projector displays of the highest quality and scalable size. EasyBlend opens the door to widespread use of multi-projector displays for a new class of simulators based on off-the-shelf components, as well as supporting new forms of digital signage and data visualization tools. For more information, go to <http://scalabledisplay.com>.

### HIGHLIGHTS

**Product:** EasyBlend  
FX + Color  
**Projectors:** 15  
**IG:** CSC VShip  
**Screen Shape:** Articulated



scalable 

DISPLAY TECHNOLOGIES

130 Bishop Allen Drive Cambridge, MA 02139 [p]: 617.864.9300 [f]: 617.864.9303