



- ▲ 3D Visual Information Management
- ▲ Project Management
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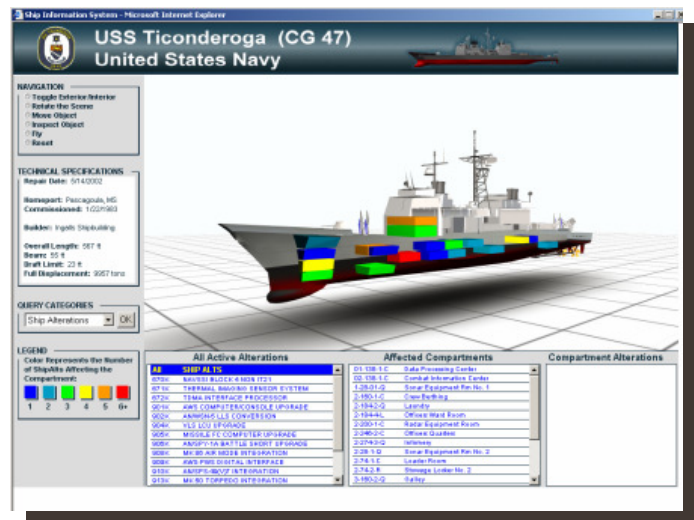
Customer: US Navy – PEO Ships



Project Description: The US Navy has the difficult task of managing a variety of ship alterations when PEO Ships are in dry-dock. Ship alterations affect many systems located in numerous compartments and spaces throughout the hull. Often separate alterations affect the same space and locations concurrently. These conflicts combined with limited visibility/understanding of current configuration across multiple hulls, make it difficult to manage activities performed by different companies or work crews.

Current system engineering processes lack adequate tools for determining existing configuration and proposed configurations. Some of the problems include: limited access to alteration data, inconsistent data, and inadequate tools for planning, reporting and scheduling. The Company was contracted to develop a Ship Logistics System for 3D visualizations of current and proposed configurations that could streamline the planning and scheduling processes. Additionally, the processes for using the system ensured consistency of data with a standard data/reporting management tool.

Utilizing web services and Bridgeworks© visualization technology, the system supports the clients’ need for disparate, isolated groups to manage, track and schedule ship alterations. Database queries display the selected hull plus effected compartments through an intuitive 3D view and can be easily understood “at-a-glance”. The system includes advanced drill down functionality for viewing specified compartments as well as Current View, Preview and Proposed Changes.



The web-based ship alteration and configuration control tool has reduced alteration costs and saved time by providing a better, more effective system for handling ship alteration data.