Case Studies

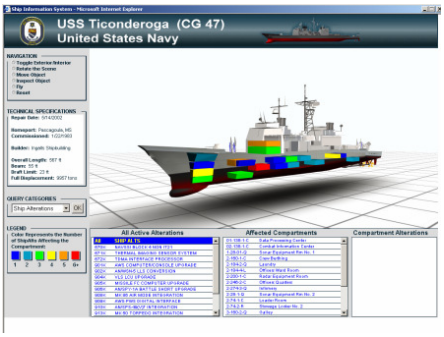
**Market:** Defense

**Customer:** US NAVY – PEO SHIPS

**Problem:** The Client has to manage ship alterations (shipalts) when US NAVY Ships are in dry-dock. They have limited visibility into or understanding of current configuration of spaces across multiple hulls. Current system engineering processes lack adequate tools for determining existing configuration and proposed configuration for ship checks. Some of the problems include: limited access to alteration data, inconsistent data collection, and inadequate tools for planning, reporting and scheduling.

**Solution:** Bridgeborn developed a Ship Logistics System to support Mission Readiness by creating a web-accessible application through which critical shipalt data can be easily added, updated, accessed and shared (by any activity) via the web in a secure environment. Using web services and Bridgeworks© visualization technology, the system supports the clients' need for disparate, isolated groups to manage, track and schedule ship alterations. When shipalt reports are needed, a query of the databases display the selected hull and effected compartments through an intuitive 3D view. These reports can be easily understood at-a-glance and include advanced drill down functionality for viewing specified compartments as well as current view, preview and "proposed changes".

| Services Provided | |
|---|---|
| √ | Analysis |
| √ | SDE&I |
| √ | Data Visualization |
| √ | Support Services |
| √ | Training and Education |
| | Research and Development |




**Value to Client:** The web-based ship alteration and configuration control tool improved mission readiness, reduced alteration costs and saved time by providing a better, more effective system for handling ship check data. The 3D visualizations of current and proposed configurations streamline the planning and scheduling processes; additionally, the processes for using the system ensure consistency of data with a standard data management and reporting tool.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