Survey status maintenance application

The Client

The customer is a global ship classification society. Customer assesses the structural and mechanical fitness of ships and other marine structures for their intended purpose through a process of classification.

The Challenge

It was a reengineering project, where the primary challenge was to understand the existing application thoroughly and build a solution that would benefit the users. The application was web-based and involved access to high-resolution graphics, which meant optimization had to be done to work successfully on low-bandwidth connections.

The Solution

The existing application was reengineered and migrated from client server to Internet environment. The existing application was written in C++ using DB2 download on SQL Anywhere and Access DB. The new application was developed using Java, XML, XSL, JavaScript, HTML, CSS, Oracle, and Orion Application Server.

Using this application, ship owners can view survey details with respect to the ships in their fleet. The application allows storage and retrieval of miscellaneous data relating to surveys, like special hull survey, annual hull survey, dry docking survey, boiler survey etc., conducted and due to be conducted shortly.

The Benefits

- The product was optimized to work well on low-bandwidth connections, especially since graphics had to be transmitted.
- The customer received a product that met specifications, was of good quality, and within the budget.

The Technology

C++, Java, XML, XSL, JavaScript, HTML, CSS, Oracle, and Orion Application Server.