

Nautical System Reengineering

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

The reengineering and development cycle was large and had multi-geography (onsite, offshore) teams working for more than a year.

The Solution

The project involved complete reengineering of system originally developed in C and JAM with Titanium as the database. The new system was developed Java with Oracle backend.

The system is a complete fleet management ERP product for ship owners. Ship owners need to maintain consolidated records of their fleet of ships, whereby the central office is constantly updated about the current status of all the ships in the fleet. However, it may not always be possible for ships at sea to communicate with central office except via satellite. This application provides the facility for maintaining such data at regional locations and sites. Some of the modules include purchase, inventory, maintenance and repair, materials management, planning, crew management, payroll and ISM requirements. By process of replication, data is transferred between locations and incremental changes are stored for subsequent retrieval and storage.

The Benefits

- The re-engineering exercise was successfully completed to specifications, was of good quality, and within budget.
- Regression testing with the existing application was conducted to ensure that the product replicated the functionalities of the existing application

The Technology

C, JAM, Java, Oracle backend.