

## Hull maintenance application

<b>The Client</b>
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.
<b>The Challenge</b>
The customer required an application for hull maintenance that was complex and graphic intensive. The project involved high level of graphics and their manipulation.
<b>The Solution</b>
This application helps in maintenance of ships. The hull maintenance application is used for structural maintenance of the ship, where the owners give the structural model of the hull. During the operations of the ship, various conditional data are entered such as gauging, pitting, damages, repairs and compartment inspections. Comparing the stored data against the as-built condition gives users the actual condition of any part of the ship structure at any point of time. The data can also be used to predict the ship's condition in the future.
<b>The Benefits</b>
<ul style="list-style-type: none"> <li>• Customer received a product that met the specifications, within the budget.</li> <li>• Being a product development, there were constant changes in specifications. Mindteck was able to adapt a flexible approach to such a situation and worked with the customer to realize the plan of developing the product.</li> <li>• Algorithms to implement the graphic manipulations in VC++ were implemented within the timeframe.</li> </ul>
<b>The Technology</b>
VC++