

3D Web Case Study: The Virtual Frigate

A 1.2 meter model of Te Kaha, a frigate in the Royal New Zealand Navy, was digitized with the Polhemus FastSCAN (see photos below). Cross sections of the hull were sliced from the digitized object files. The deck, guns, radar, etc, were then added by hand, using the digitized object files for obtaining scale reference points.

Finally, image files were rendered, and a Java applet written to provide the interactivity, to form the final 3D models that appears on the Royal New Zealand Navy web-site: www.navy.mil.nz/future/virtual_frigate/



Scanning the model (close-up)



Exploded view with final 3D model (inset)

Modeling, animation and text by **Craig Pownall** of **Zivo** (formerly Clearview), an internet integration and website development company, www.zivo.co.nz