

Satellite Communications/Navigation

Pedestal Design and Manufacture

Date: Various

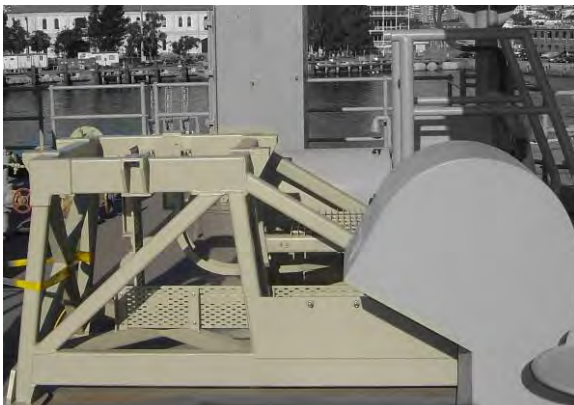
Client: Various

Project Summary: Design and manufacture pedestals for Satellite Communications and TVs.

SOFRACO has been engaged by a number of clients to provide design and manufacture of pedestals for communications and satellite TV receivers on ships and off shore drilling rigs.

SOFRACO typically designs the pedestal to withstand accelerations from ship motions and wind loadings on the dome with jobs involving both steel and aluminium vessels. The under deck structure can also be assessed and strengthened if required.

Once the design drawings are completed and approved by the client, SOFRACO has then manufactured and delivered the structures. This can be completed in a turn around time of less than 3 weeks for a typical pedestal design and manufacture.



FFG Shock Rated Communications Dome Support

More complex supports have been designed for the FFG Class Frigates for the Australian Navy, where full shock loading was required. Here the project also involved computer analysis using Finite Element Analysis to assess the suitability of the structure under these extreme loadings.



Typical Pedestal (with ladder access)