

HMAS MANOORA Main Switchboards

Design and Manufacture of Switchboards and Distribution Centres

Date: 2003 - 2004

Client: Australian Navy

Project Summary: Design, manufacture and provision of supporting Integrated Logistic Support (ILS) documentation for the replacement of the main switchboards and associated distribution centres. The design also included a new closed loop ring main to replace the existing open loop system

Following a review of the age, condition and location of the original main switchboards the decision was taken to replace them and their associated distribution centres with new equipment. It was also decided to incorporate the switchboards in a closed loop system which involved the design and installation of new main run cables.

SOFRACO was contracted to design the switchboards, distribution centres, ring main and all interfaces with existing generators in a time frame of four months. After a technical review of the design by defence personnel SOFRACO was requested to procure all components including the ring main cabling and manufacture the switchboards to a strict timetable. The manufacturing and factory test contract included a liquidated damages clause for late delivery.

Despite delivery problems from component suppliers the switchboards were delivered on schedule. Running in parallel with the manufacture of the switchboards was the provision of all ILS documentation, including ABRs, EOSS documents, planned maintenance and spares support data.



**Switchboard ready
for installation on HMAS MANOORA**