MSA Engineering machining without boundaries

CASE

PRECISION IN-SITU MACHINING

IN-SITU REPAIR OF PROP SHAFT BEARINGS PRIOR TO SHIP RESALE, REMOVING THE NEED TO EXTRACT THE SHAFTS

Before being sold to the Brazilian Navy, the RFA Sir Bedivere was overhauled by A&P Falmouth.

M & A Engineering Ltd was tasked with repairing the port & starboard prop shaft bearings, with the shafts remaining in the ship.

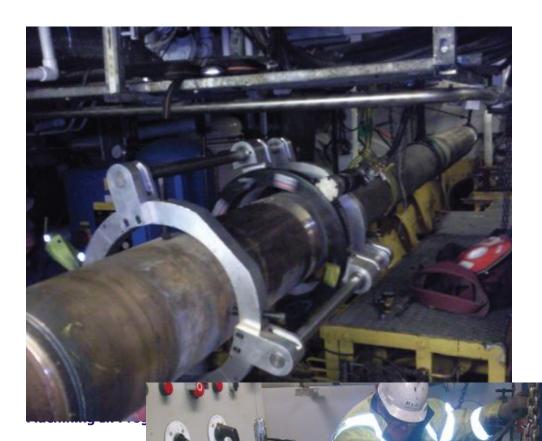
Both Port and Starboard prop shafts have two, aluminium bronze bearing areas. Each bearing was circa Ø330 x 1.5m long. Wear had occurred in the bearing surfaces, so the machining repair was to re-establish true and concentric diameters on each shaft. To remove the shafts from the ship would have required cutting through the hull but M & A Engineering undertook the repair in-situ.



The in-situ repair not only saved considerable expense to the yard, by virtue of the shafts remaining onboard the ship, but also ensured the refit programme remained on schedule.



"The in-situ solution offered and executed by M&A Engineering ensured that the refit programme was completed on schedule"



Machining Reference **Bands**

One of the Four Journals Nearing Completion



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