

GLOBAL PRODUCER III CONVERSION

A&P™



PROJECT REQUIREMENTS: OVERHAUL OF SHIPS TURRET MOORING SYSTEM AND INSTALLATION OF NEW PAU

THE PROJECT: The Global Producer vessel formerly operated on Kerr-McGee's Leadon field required an extensive conversion ahead of its new role on the Dumbarton development in the UK North Sea. The project included a refit of the topsides as well as modifications to allow the 54,500 metric tonne, 217 m long vessel to handle Dumbarton's crude, which is much lighter and with a higher gas content than Leadon's.

SCOPE OF WORK:

A&P Group's shipyard on the Tyne were awarded the project to modify and replace the existing production facilities to suit the requirements of the new field.

The marine works included removal and full overhaul of three azimuth thruster units, removal and overhaul of ballast pumps, removal and overhaul of ships "turret" mooring system and component parts, full hull preparation and painting, piping modifications, galley and accommodation modifications and an upgrade to the ships towing arrangements.

The topside work carried out included fabrication of new PAU (Pre Assembled Unit) and skids, new seawater caissons, new platforms/ladders/handrails, deconstruction of redundant plant and equipment, heavy lift installation of new units, connection and extension of services/pipes/electrics and commissioning and testing of new and disrupted systems.

THE RESULT:

This project involved modifications to 35 systems, 170,000 hours of engineering work, 600,000 manhours of labour, 25 sub-suppliers, installation of 25 km (15.6 miles) of new cabling, and 5 km (3.1 miles) of large bore piping to handle the lighter crude. A&P Group were delighted with the works completed with Managing Director of A&P Tyne commenting,

"Once again the workforce here have proven that we can deliver complex conversion projects on time and to extremely high standards, everyone involved can be proud of the job they've done."