



CLIENT

Stolthaven / Koppers JV

LOCATIONS

Newcastle, NSW, Australia

CORE CAPABILITIES

- Mechanical engineering
- Detailed Design
- 3-Dimensional scanning
- In house production of 3D isometric drawings for fabrication
- Weld records & quality control
- Synertec accredited ISO45001 OHSE management system

PROJECT SUMMARY

Stolthaven Terminals own and operate a Bulk Fuel Import Terminal at Mayfield in NSW built on the rehabilitated BHP Steel Mill Site. In 2013 Synertec built the Stage 1 mechanical pipework installation, including a 1.7km temporary wharf line for ship to terminal transfers.

Stolthaven undertook to build a new liquids berth on the Hunter River. Synertec was engaged by Stolthaven / Koppers JV for this Stage 3 Terminal Expansion.

THE CHALLENGE

The project required the design, fabrication, erection and commissioning of Koppers Carbon Materials & Chemicals, pitch and coal tar import pipelines, that were relocated to the new liquids berth. The relocation also required over 6.5km of new transfer pipework between the Koppers chemical reheat plant and their current site. This included over 3.5km of hot oil heating system running at 210 degrees C.

SYNERTEC'S SOLUTION

Drawing on a wealth of experience in bulk fuel site construction projects, Synertec was able to quickly and efficiently construct and commission the design to meet the client's tight timeframes. Innovative solutions such as prefabrication of pipe bridges to be craned into place allowed for the time frames to be met while minimising costs.

Synertec designed, fabricated, erected and commissioned the new 250mm and 300mm diesel import pipelines from the new berth to the existing terminal, totaling approximately 1.5km of installed pipework.

Throughout the 13 month project duration, Synertec staff, laborers and contractors experienced 0 hours of lost time injuries.