

Client Yancoal
Mount Thorley Warkworth
South CHPP

Project Desliming Screens Upgrade
Modules 1 & 2

Capital \$3.6M Approx.

Completed 2020

Services Provided

- Concept Design
- Brownfield 3d Digital Scan
- Structural Engineering
- Mechanical Engineering
- Electrical & Instrumentation Engineering
- Piping Engineering
- Multi-discipline detail design & drafting

Project Brief

Replace 8 existing low head Desliming Screens across two modules with 4 Multi-slope (Banana) Screens.

The new screens installation (duplicated for each module) includes a new desliming screen distribution box per module, screen feed box and asymmetric under-pans & discharge chutes to tie into existing plant infrastructure, and cast-basalt piping.

This was supported with a new screen support and access structure for each new screen, drive motors, feed boxes and distributor, along with platform infills covering unused under-pan penetrations from the removed existing outer screens.

The project scope also included a structural vibration analysis audit and review of the existing structure.

Module 1 Installation shown

