

Client Yancoal
 Mount Thorley Warkworth
 CHPP South

Project Midsize Circuit

Capital \$7M Approx.

Completed 2020

Project Brief

New Midsize circuit for the existing brown-field site.

The design scope comprised the installation of a new primary classifying cyclone feed sump and pumps, new desliming cyclones, desliming cyclone feed sumps & pump, Desliming Cyclone Feed Sump Oversize protection screen, and primary and scavenger spirals – required for both Module 1 & 2.

Services Provided

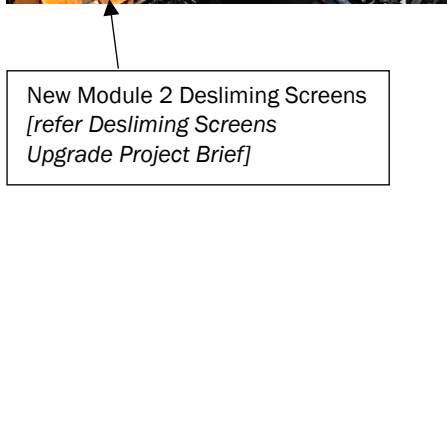
- Concept Design
- Brownfield 3d Digital Scan
- Structural Engineering
- Mechanical Engineering
- Piping Engineering
- Multi-discipline detail design & drafting
- Audit and update site pipeline & valve lists
- Owner’s Project Delivery Team support.

Our scope covered the concrete footing design, structural steel design, mechanical equipment design (equipment specification -data sheets to market, equipment selection & recommendation), mechanical platework & piping design. All design drafting, and shop detail model review.

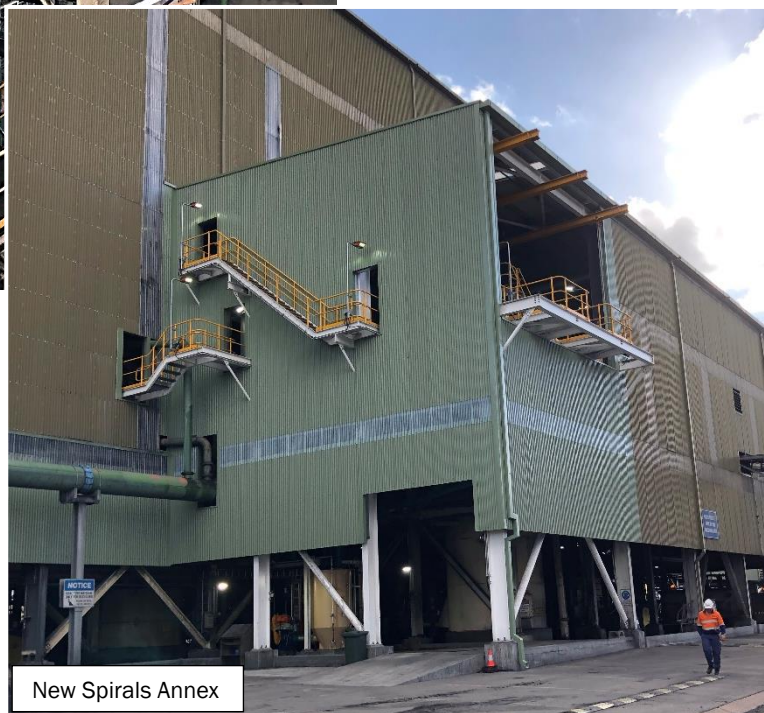
The new spirals were housed in a new enclosed annex adjacent to the existing flotation area. All other plant & equipment was installed within the confines of the existing wash plant building.



New M1 & M2 Desliming Cyclones structure and interface piping inside existing CPP Building.



New Module 2 Desliming Screens [refer Desliming Screens Upgrade Project Brief]



New Spirals Annex