

HME Washdown Facility Upgrade



Bright Group was engaged to upgrade the HME Washdown Facility at Newmont Boddington Gold, replacing the existing treatment system and delivering an improved configuration that enhances water quality, circulation and containment standards.

Scope of work

The scope of work required us to deliver a full upgrade of the HME Washdown Facility at Newmont Boddington Gold to address persistent water management and treatment issues. The existing system could not reliably maintain water levels, contain runoff in the adjacent pond, or process inflows to the required quality standards.

Works included demolition and removal of the existing treatment equipment, pumps, piping, valves and associated pond infrastructure, followed by installation of a new water treatment system with updated pumping, piping and control arrangements, as well as new washdown spray walls on both sides of the pad. Supporting civil and electrical upgrades were also required to integrate the new system and ensure operational continuity.

The revised configuration removed the containment pond from service, with water to be circulated between the wash pad, new treatment system and existing 310kL tank.

Overview

CLIENT

Newmont

LOCATION

Boddington, Western Australia

SERVICES

SMP, E&I and Civil, Commissioning

CAPABILITY

Project Delivery

INDUSTRY

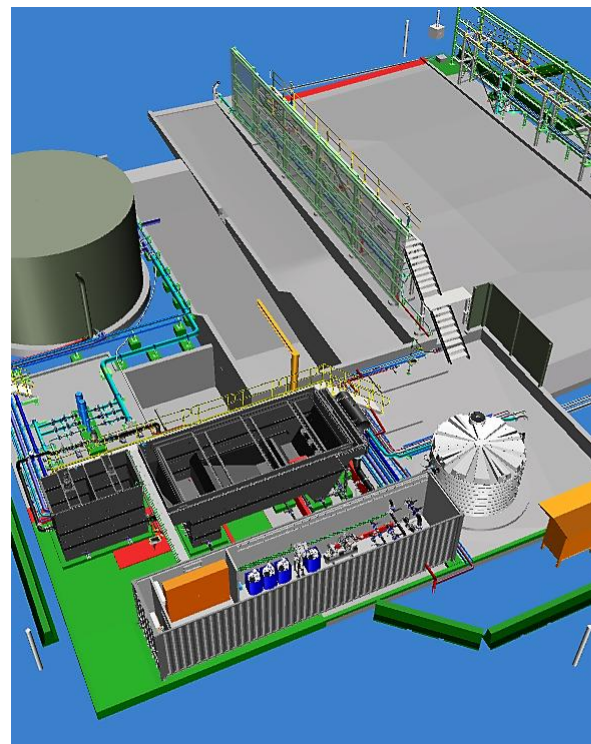
Mining and Resources

PROJECT VALUE

\$16 million

Key activities completed

- Removed existing treatment equipment, pumps, piping, valves and pond-related assets.
- Installed new water treatment system with vendor-supplied pumps, piping and valves.
- Installed new washdown spray walls on both sides of the pad.
- Removed electrical systems linked to former treatment equipment and pumps.
- Installed new electrical infrastructure for the upgraded treatment system.
- Demolished selected concrete to suit new equipment layouts.
- Installed new concrete foundations, bollards and traffic barriers.
- Repaired leading edges at wash facility entry and exit points.



Safety initiatives

Safety remained a core focus throughout the project, beginning with a comprehensive CRAW completed with the client to identify potential risks and impacts on existing infrastructure, and supported during construction by regular toolbox talks ensured clear expectations, strong situational awareness, and consistent compliance across all activities.

Points of difference

By adopting updated project management tools and innovative industry methods, we streamlined the work, improved accuracy, and delivered a more efficient and organised outcome for the client.

Managing multiple disciplines under a single contract, we simplified communication, reduced client risk, and provided a clear, accurate view of progress, enabling a smoother and more efficient project delivery.

Smarter tools and refined processes improved efficiency, reduced costs, identified issues earlier, and delivered a higher-quality outcome with a system designed to serve the client long into the future.

“The client praised our communication, responsiveness, attention to detail, and the high-quality project outcome.”

Mechanical Project Engineer, Bright Group