

# Condition Assessments, Due Diligence and Maintenance Reviews

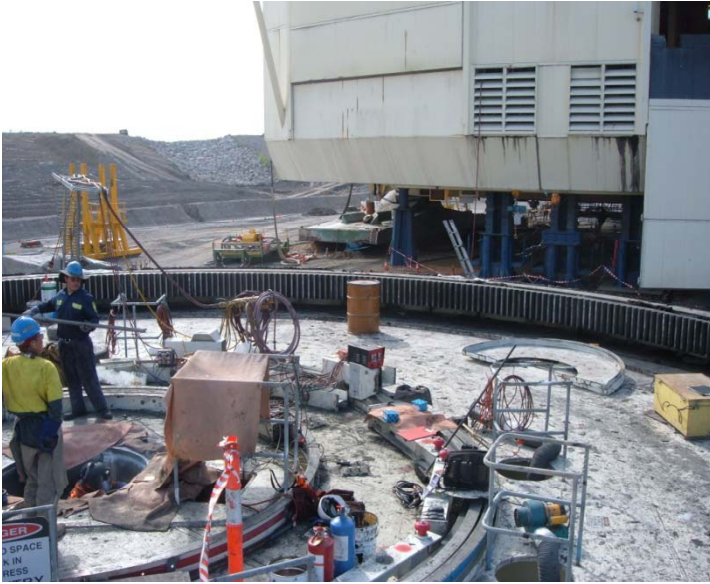
## Structural, mechanical and electrical engineering, including:

- Scope preparation for remedial work and life extension
- Risk assessment and failure investigation
- Fleet valuation
- Repair supervision and superintending
- Inspection and condition assessment

## For:

- Draglines, shovels, excavators, and haul trucks
- Longwall machinery
- Power generation plant
- Coal preparation plant
- Conveyors
- Train load out facilities
- Stackers, reclaimers, shiploaders, and ship unloaders.
- Container cranes and port facilities





Condition assessment for a variety of heavy mobile plant and machinery (including many dragline types) has been undertaken by BMT WBM. Preparation and review of maintenance work scopes have included economic evaluation to establish the most cost effective repair/replace strategy.

Typical machine condition assessments include detailed inspections. Many projects include physical testing or measurement to help determine the condition of critical/high cost components.

On site supervision and technical superintending can also be undertaken by BMT WBM.



BMT WBM completed condition assessment of a fleet of five RH200 face shovels operating at the Porgera mine in Papua New Guinea.

Assessment of these machines included a detail review of the maintenance history and the ability to complete high quality repairs at this remote site. Spare parts inventories, and local labour skill levels were important considerations for comparison with off-site repair and repair or replacement options.

Review of the operating practices and operator behaviour were also included in the remaining life assessment.



BMT WBM has assisted owner/operators of port and bulk materials handling equipment with repair, maintenance, and life extension programs.

Detailed repair specifications prepared by BMT WBM assist in streamlining management and cost control of these projects.

Additionally, technical superintending and site supervision undertaken by BMT WBM help ensure the intent and quality of the specified works is achieved.