

CASE STUDY

COCKBURN CEMENT MUNSTER CM3 SHUTDOWN

PROJECT PROFILE

Cockburn Cement Munster are one of the largest Cement providers in Western Australia, operating since 1955. They are the only Lime producer in WA and the largest in Australia.

Cockburn Cement conduct routine annual maintenance to existing long serving plant and equipment to help minimise downtime / maximise output, extend the run time and reliability of the established infrastructure.

SERVICES PROVIDED

Project Management, Supervision and resourcing of a 17 personnel Shutdown Team which included:

- 2 Supervisors
- 7 Mechanical Fitters
- 4 Boilermakers
- 3 Trade Assistants
- 1 Rigger

HIGHLIGHTS

SGC Australias Shutdown Team completed all assigned tasks ahead of or within allotted timeframe.

Commendation received from by ADBRI / CCL Safety Management for our record-breaking number of Take-5's completed for the shut

An additional 4 jobs were added to the schedule after this initial package, based on our performance for this shut.



OUR INVOLVEMENT

The works on Cement Mill 3 (CM3) for this scheduled 12 monthly general shutdown were conducted in a 6-day shut window of approx. 360 hours, across 23 job fronts.

Scheduled inspections progressed into repairs, mandatory changeout/replacement of parts as well as partial/complete rebuilds of equipment to extend life.

Scope of works performed included:

- Elevator Chain Replacement
- Elevator & Tail Drum Shaft Inspections
- ID Fan Bearing Replacement, General PM & Inspection
- Fluxo Inspection - Internal & External Works
- Fluxo Change Vent Valves
- Fluxo Commissioning
- Air Slide Fans PM Inspection
- Return Screw Works & Inspection
- Screw Conveyor Full Rebuild & Inspection
- Osepa P/unit Mechanical Inspection
- Osepa P/unit Heat Exchanger Service
- Osepa Internal Inspection
- Mill Inspections & PM's
- Mill Trunnion Bearings Oil Change & Inspections
- Mill General Inspection
- Mill Mag Particle Test
- Mill Feed Bowl Inspection
- B01 & B02 Water Line Inspections
- Screw Conveyor Inspection PM's
- Screw Conveyor Inspections
- Replacement Screw Conveyor Bottom Wear Liners
- Rotary Valve Inspection PM's
- Chute Repairs
- Commissioning of all equipment and monitor start-up