

Orebody 23/25



Location	Near Newman and 360km south-east of Port Hedland, Pilbara region, WA
Client	Joint venture: BHP Billiton (85%), Mitsui & Co Australia Ltd (5%) & Itochu Corporation (10%)
Commodity	Iron ore
Contract duration	August 2008 to June 2013
Major contractor since	1998



A long time partner of BHP Billiton Iron Ore, HWE Mining operates at three of its six world class iron ore operations in Western Australia's Pilbara region, including satellite Orebodies 23 and 25 located near the Mount Newman Mine.

The Orebody 23/25 deposits are two of several deposits that make up the Mount Newman mine, which is one of the largest single pit open-cut iron ore mines in the world. Orebody 23 consists of a single pit while Orebody 25 has three pits.

HWE Mining handles a combined total of 9 million tonnes per year at both operations. We provide a complete mining service including drilling and blasting, loading and hauling, processing, train loading, infrastructure management, maintenance and other related services. We also use the full range of surface mining plant and equipment at the mine.

Orebody 23/25 operates 24 hours a day, 365 days a year. HWE Mining employs approximately 200 people at the operations.

Production at a glance

- 6.5bcm mined per year
- 9 million tonnes of iron ore processed per year



Scope of work

Project management

- Provision of registered Mine Manager and other statutory positions
- Management of:
 - Safety and health
 - Environment, community and Indigenous affairs
 - Plant and procurement
 - Human resources and industrial relations.
 - Accommodation and flights
- Drilling and blasting design
- Process plant upgrades

Mining

- Surveying and set out
- Clearing and grubbing
- Topsoil removal
- Design of processing infrastructure
- Operation and maintenance of:
 - Earthworks infrastructure: dams, roads, drains, stockpile pads and hardstands
 - Structural infrastructure: workshops, offices and fuel facilities
 - Services infrastructure: power, water and communications
- Drilling and blasting
- Ore quality sampling and control
- Loading, hauling and dumping waste, ore and ore stockpiles
- De-watering
- Ground support installation including rock bolting, water relief and batter finishing

Processing

- Operation of ore processing plants, train load-outs and infrastructure
- Maintenance of:
 - Wear parts, conveyor belts and liners.
 - Structural components and major equipment including primary crushers, tertiary crushers and screens
- Capital replacement and continuous improvement
- Maintenance of Citec and PLC control systems

Rehabilitation

- Dump profiling
- Selective capping placement
- Topsoil placement
- Contouring

EQUIPMENT	
Reeddrill SK45i drill rig	1
Ingersol Rand DML 60 drill rig	1
Caterpillar 785 dump trucks	10
Hitachi EX1900BE/5 excavators	2
Liebherr R994 excavator	1
Caterpillar D10T track dozers	2
Caterpillar 992C wheel loaders	2
Caterpillar 992G wheel loader	2
Komatsu WA900/3 wheel loaders	3
Liebherr 9250 excavator	1