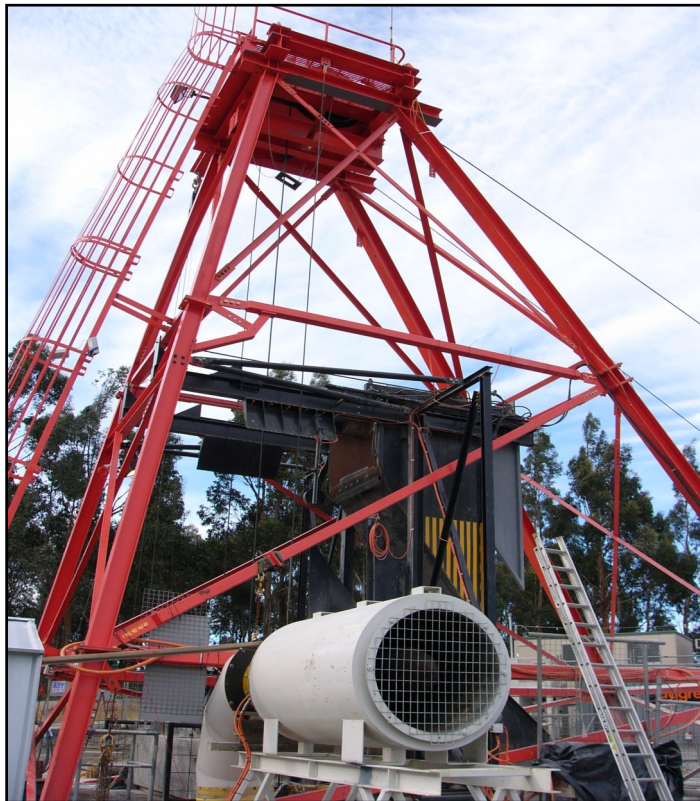


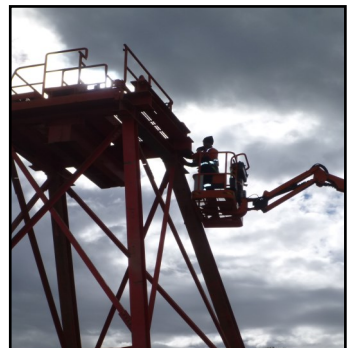
Bore Hole Hoisting



Mancala's Bore Hole Hoisting System provides supplementary or alternative hoisting capacity to depths in excess of 500m. The system was originally developed to remove waste rock from underground generated by horadial blasting.



When used with shaft construction, the BHH shafts final end use can range from a simple access rise to an automated emergency egress point equipped with a man hoist.



The Mancala Group

Ph: +61 (0) 3 8562 9400

Email: enquiries@mancala.com.au

www.mancala.com.au



Bore Hole Hoisting

The Mancala Bore Hole Hoisting system (BHH) uses a wall guided tubular conveyance within a small diameter raise bore hole to hoist material to the surface.

The BHH system was initially formulated as an adjunct to large diameter shaft excavation, where construction waste rock is hoisted to the surface without impacting on any existing hoisting capacity. In this application, the end use for the BHH shaft can be a simple access for service or following equipping, as an emergency egress to the surface.

The system can be implemented as a low capital cost, stand alone or supplementary hoisting system in existing or proposed operations. Typical applications would include bulk sampling prior to establishing high capacity hoisting systems or in situations where existing hoisting infrastructure is at or near to capacity.

The low capital cost, rapid deployment and simple operation of the BHH system can minimise the requirements for underground haulage capacity in situations where existing infrastructure is distant from mining areas. For long strike ore bodies, the BHH system can be installed at predetermined locations along the strike, providing hoisting capacity and service access to underground.

Hoisting Components



- The BHH system is deployed within an unlined or lined raise bore hole of 1.2m to 1.5m diameter dependant on the shafts end use
- A conventional four leg headframe with a conveyance tipping device
- An electric hydraulic winder (non-man riding)
- A tubular conveyance with bridle, rubbing skids and/or guide wheels
- An underground loading tube with internal scrolls for conveyance alignment
- LHD and/or feeder unit volumetrically matched to the conveyance volume for loading
- Communication between winder driver and LHD operator

The Mancala Group

- **SAFETY:** Striving to achieve zero harm
- **QUALITY:** Taking pride in what we make and do; on time, on budget and to specification
- **INTEGRITY:** Doing what we say we will do with honesty and respect
- **INNOVATION:** Revolutionising processes and applying technology to achieve better outcomes for all stakeholders
- **PEOPLE:** Recognising people as our greatest asset and encourage personal excellence