



## ZONDAGSFONTEIN: HEADGEAR

The use of a bypass shaft whilst sinking the main shaft resulted in the time-saving of eight months in the construction time required for the shaft and its headgear.

This specially designed man and materials handling shaft has a headgear of 13m x 13m internally with a height of 31.1m above ground level. It has a winding floor at 22.8m above ground level. The housing on the top has specially designed doors for the loading of equipment.

The shaft is lined, 11m diameter and is 108m deep. By plugging the shaft after the initial 45m sink, the headgear was constructed simultaneously with the raise-boring and slipping.

Project scope included:

- Feasibility
- Design
- Site Supervision
- Project Management

### Get in touch with us

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#### Component:

Headgear

#### Project Location:

Ogies, Mpumalanga

#### Client:

Anglo Invasi Coal

#### Completion Date:

2009

#### Senior Staff Involved:

Peter Sharland  
Rui Couto  
Liakat Alli  
Morné van der Westhuyzen

**MATERIALS HANDLING**  
**ENGINEERED**  
to exceed expectations