



Case Study

Phola Coal



Client Background

Phola is a coal processing plant situated near Ogies in Mpumalanga. It is jointly owned by Anglo Coal and BHP Billiton and operated by Minopex on their behalf. Pragma was contracted by Minopex to do an AMIP and then implement a full Asset Care Centre and client service. It took Pragma just four months to make a considerable difference to the plant. This case study shows how Pragma and Minopex formed a partnership to improve the performance of a major processing plant, giving the asset owners confidence that their assets are in good hands.



“In general good strategy developed by a collaborative effort strategy must be live. Having a Pragma Asset Care Engineer makes a huge difference.”

Kox Gomba - Phola Engineering Manager (AACT)

Key Challenges

- There were insufficient formalised procedures for work planning and control.
- The breakdown logging was done on Excel and the information was not readily available for analysis.
- No proper asset register was in place, only Excel sheets, which was problematic as details about new equipment that arrived and old equipment that left the shafts were not updated.
- There was no formal process in place to review and improve the maintenance plans.
- The major challenge during implementation was changing the mindset of the maintenance team, especially the artisans, on completing the work orders and coping with significant changes to the reports and KPIs.



Performance Improvement

- Better control over long-term maintenance plan
- Visually improved resource levelling
- Structured and standardised asset care plan development and application to day-to-day operations.

Considering the time frame for the implementation of the ACC there has been a significant short-term improvement.

The long-term improvement of the AM strategy is well driven and communicated to achieve the desired maturity per KPA.

Tools and Technology

The following On Key modules were implemented :

- Asset Register Module
- Maintenance Manager Module (Planning and scheduling of tactical and non-tactical work orders)
- SSRS Reporting.

Business Processes

- Asset Care Centre Foundations (AM Policy and Strategy)
- Asset Management Improvement Planning
- Asset Register Administration
- Work Planning and Control
- Asset Care Plan Development
- Focused Improvement (Equipment Criticality Analysis).

Pragma Intervention

Pragma was contracted in October 2011 to establish and manage an ACC at Phola Coal Processing Plant. The Pragma ACC team consists of an Asset Care Engineer, Planners and Administrators.

Pragma's role during the ACC implementation:

- Training of personnel including the planners on the business processes and On Key.
- Change management.
- Work order return time and data integrity.
- The completion and submission of breakdown work orders by the artisans as well as reporting and capturing of breakdowns at their control room.