

Case Study



Local Minerals Preparation Plant

Industry: Mining
Sector: Coal

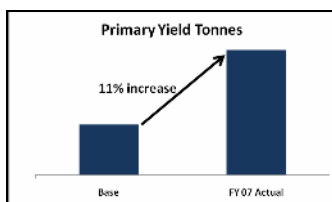
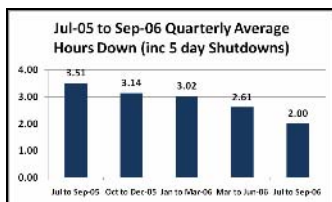
Situation

- Considerable investment had been made to upgrade both the capacity of the plant and the computerised maintenance management system (CMMS).
- Poor maintenance practices were resulting in high plant downtime and loss of production.
- Dysfunctional CMMS and loss of historical data.

Sydney Consulting Approach

Reviewed all preventative maintenance programs and re-established the hierarchical / operational structure of the CMMS program:

- Developed a 52 week preventative maintenance program by each trade and piece of equipment, hours required and the type of maintenance to be undertaken;
- Upgraded the hierarchical structure of CMMS and identified and tagged each piece of equipment with a unique parent number and their children;
- Reformatted and retrained all operators in the use of the CMMS in particular job orders and additional work completed to allow the capture of accurate historical data and replace all external PC applications;
- Established a set routine for 12 hour shutdowns, including site inspections and review meetings prior to and at the completion of each shutdown; and
- Established operator task checklists with critical actions to take in regard to improving yield and consistency in flow.



Client Outcomes

- Reduced downtime per day from 3.5 to 2 hours including shutdowns; and
- Increased primary yield tonnes by 11%.