



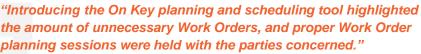
## **Client Background**

B2Gold Corp, located north of Otjiwarongo, is one of the largest producing gold mines in Namibia. Other B2Gold mines are located in the Philippines and Nicaragua, with a strong portfolio of development and exploration assets in various African and South American countries.



## **Key Challenges**

- All Asset Management activities were 'controlled' using Excel.
- There was no control over:
  - human and machine utilisation
  - cost
  - general job control.
- EAMS (On Key) was implemented for job card control.
- System generated Work Orders (WOs) started to grow exponentially.
- With On Key Analytics it could be seen that the rate of creating and closing WOs as well as reactive work vs. preventative work was out of control.
- Task planning on the different levels was difficult.
- · No communication boards were available.
- Top down support was limited.



Client

# Pragma Intervention

- On Key system experts did a system audit on the EAMS to determine what was lacking in the system.
- Introducing the On Key planning and scheduling tool highlighted the amount of unnecessary WOs.
- Proper WO planning sessions were held with the parties concerned.
- Planning boards were introduced (the head planner decided on the type of boards to be used) to practically communicate the plan for the upcoming week.
- The On Key planning and scheduling tool helps the planning department to populate the planning boards.



### Value Add

- The company culture changed to one in which Asset Management is adopted by the organisation.
- More top down and line management support was given once the weekly plan structure was introduced and proper reports could be run.
- Unnecessary WOs were eliminated.
- WO turnaround time was drastically decreased.
- Reduction in administration time allowing technical resources to focus on maintaining assets.
- · Optimised resource utilisation.
- Improved communication structure.
- Average decrease of breakdowns: 93% (Nov-May 2014 compared to Nov-May 2015).
- Average utilisation increased by 25% (Jan-May 2015 compared to Jan-May 2016).

#### Tools and Technology

- On Key EAMS
- On Key Analytics
- Maintenance Planning Board.
- Asset Care Centre Foundations
- Asset Register Administration
- Work Planning and Control
- On Key Planning and Scheduling tool.

