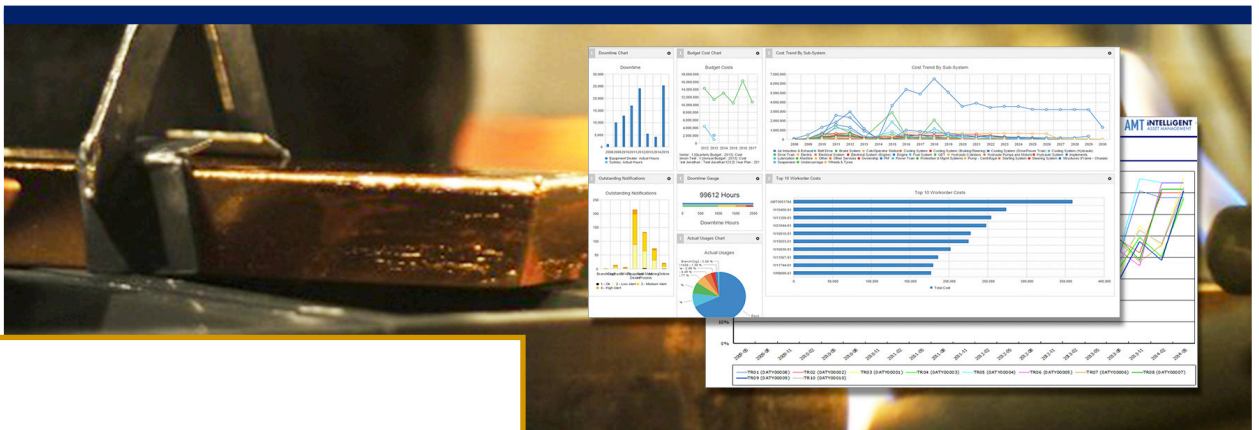


Diversified gold miner drives down maintenance costs using AMT

Diversified gold miner | Gold | AMT | Multiple mine sites | Western Australia, Australia



“A major benefit of AMT is the ability to **truly understand** the **economics** behind each decision”

Overview

This global top 10 gold producer is listed on the Johannesburg and New York Stock Exchange. Boasting a number of large operating mines in its portfolio, they have a particular focus in the Goldfields region of Western Australia (WA). With the aim to create value for all of its stakeholders, the company's vision is to be the global leader in sustainable gold mining.

Challenge

With maintenance making up a significant proportion of the company's annual spend, it was searching for a robust solution that would provide a holistic understanding of their maintenance budget so key personnel could proactively manage spend and reduce maintenance costs. The challenge was magnified due to the large-scale nature of the company's WA asset base. Across the numerous operations, they have more than 150 heavy mobile equipment assets, in addition to 550 light vehicles, 150 support equipment and over 5,000 associated process plant equipment across the sites. The operations were regularly encountering issues around data accuracy as there was a tendency to operate in siloed groups. As a result, the company needed an industry proven asset management solution that would give them complete visibility over costs to drive smarter decision-making.

“With AMT’s DLCC, we can **create a budget based off what has just happened, what is about to happen** and the current year forecast so it’s a very realistic budget.”

In selecting a suitable asset management tool, the company was looking to:

- Enhance decision-making by breaking down operational siloes.
- Have the ability to make proactive work management decisions.
- Substantially reduce the time it takes to produce a maintenance budget.
- Produce accurate forecasts and budgets by taking out the budgeting guess work.
- Quickly Identify areas for improvement and quantify the economic return to business to ensure they focus their efforts appropriately.
- Reduce overall maintenance spend while increasing availability.

Solutions

AMT, RPMGlobal’s asset management software, was identified as the ideal solution to deliver an optimised maintenance strategy and accurate budget across the company’s WA operations. AMT seamlessly integrated to SAP, ensuring both systems are in sync and removing any need for manual data transfers which are prone to errors. As a result, the company’s maintenance department have full confidence in the accuracy of maintenance budgets, forecasts and whole of life cycle costing projections. This led to performance improvements, cost savings and a culture of continuous improvement. AMT’s Dynamic Life Cycle Costing (DLCC) engine has provided the firm with an accurate, on demand maintenance forecast and budget where they can gauge the true costs of operating equipment.

Specifically, AMT underpinned the following major competitive benefits:

- The ability to conduct real-time, zero-based maintenance budgeting instead of relying on static maintenance plans.
- Have one, consolidated asset management database that enables effective component/asset performance KPIs, analytics and benchmarking across all sites.
- Significant reduction in reliance on Excel spreadsheets. Now the team don’t waste time compiling the data, enabling them to spend more time analysing and optimising data instead.
- Optimise overall asset management strategy.

Impact

As an integrated maintenance and budgeting solution, AMT has delivered significant value in the following ways:

- Harnessing AMT’s DLCC engine has greatly improved real-time decision making capabilities and has underpinned a proactive approach to asset management. For example, one of the sites was budgeting and paying for a drill’s maintenance that had since moved to a new site. However, the new site wasn’t budgeting or paying for the drill. AMT’s ability to drill down into the budgets and actuals quickly picked up this discrepancy.
- Reduced time to produce annual maintenance budgets across all sites from two months to two weeks. In turn, the maintenance team were able to spend more time identifying, analysing and reducing risks.
- Frequently meet budget requirements. Prior to implementing AMT, the company would miss budget targets. Now, each site is meeting the maintenance budget every month.
- Have the ability to make decisions rapidly and course-correct based upon a systematic approach and real-time information as opposed to what’s in a spreadsheet that becomes outdated quickly.
- Enhanced ability to track maintenance spend discrepancies. For example, a superintendent at one site has been consistently over budget for the past six months. With AMT’s unique ACI functionality, it was discovered that the mine site had been running three more pieces of equipment that were never budgeted for.

With AMT, the gold miner now has a solution to meet today’s complex maintenance needs to drive long-term success.