

Mining Compressed Air Management



Benefit:
14MW_{EE}
(R113M/year)



Cost:
R 18M



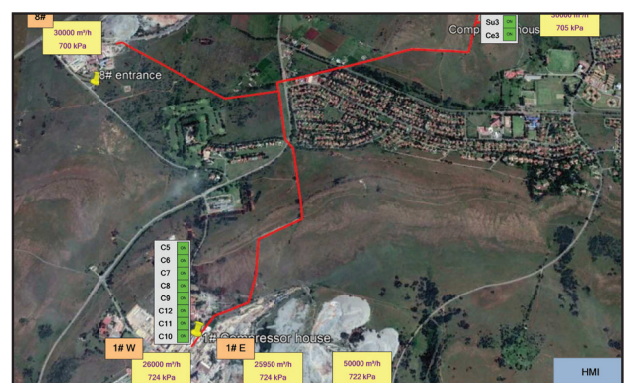
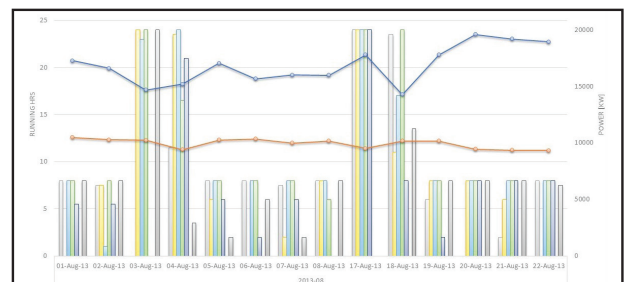
Payback:
Immediate
No Risk,
Shared Savings

Legacy compressed air systems in deep gold and platinum mines are highly complex, old, leaky, dynamic and, as such, inefficient. Mines are geared towards maintenance and production and not towards optimisation and daily management. This combination allows ample opportunity for the legacy efficiency project on the system to revert to inefficient modes of operation

Compressed air management as a focused external service, implemented and delivered by engineering and system specialists allows for the mine to be led pro-actively into achieving savings instead of periodically and reactively, when performance degradation forces attention.

For this project:

BBEnergy implemented a team of 5 engineering specialists, as well as several mobile underground teams to source problems and opportunities underground, as well as simulate and model system-based solutions on the compressed air network. A range of small and large opportunities were implemented system-wide. Daily monitoring and reporting, as well as a performance-based contract incentivised both the client and BBEnergy, to not only maximise savings, but to ensure sustainable savings.



Completed in 2012-2014.