Our Goal:

To provide dashboards for the operations teams that show the immediate state of the operation and provide actionable alerts to controllers and supervisors.

Day to day, these alerts should influence behaviour in the drive towards best practice.
Over the medium term analysis of the operational performance versus dashboard scores will allow refinement of best operational practice and improvements at the organizational level.

Our Solution:

By utilising the software tools provided by OSI soft PI, with particular use of the PI AF system.

Using AF, we have built an analytical structure for operating plant that reflects the operator's span of control and sub-groupings to show and measure the performance of constraints and bottlenecks.
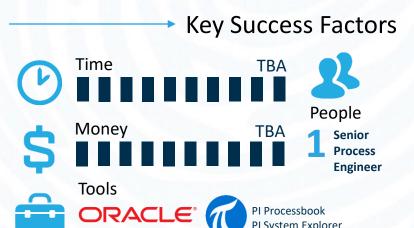
Unlocked Potential:

Increasingly uniform performance profile within the cohort of controlling operators for our customers fixed plant assets.
This leads to a higher rate of overall throughput and greater confidence in forecasting rates from mines through to port.
Better quantification of potential benefits of debottlenecking projects, which will allow better upgrade investment decisions to be made by the client.

Project Management Taking Initiative:
One Note Notebook was introduced and utilized as a tool to organize project work and collaborate amongst the Data Squeeze team.
This has helped with the handover of various sections from one team member to another and a central place for tracking progress, logging and resolving issues

Rob Lyon
Senior Process Engineer

Key Insight:

"A key factor in success has been the exceptional level of collaborative work that occurred.

This really gave the project a well-rounded outcome.

Working in an information systems team and collaborating closely with the Operations Process engineers, we ensure their requirements are met and improve the outcomes."

Key Success Factors

Time ▮▮▮▮▮▮▮▮ TBA

Money ▮▮▮▮▮▮▮ TBA

People
1 **Senior Process Engineer**

Tools
ORACLE® PI Processbook PI System Explorer

Back End Template
Successfully got the constraint calculations working

Front End Template
Prototype of dynamic process book display

Generic Templates
All operator-scoring rule types created

Pilot Site Completion
First site completed and displayed

Full Version (v0.[x])
All sites complete

Completion
Templates optimised and project handover