RAIL OVERLOAD REPORTING
CASE STUDY

key

Our Goal:

To provide alerts and reporting of overloaded wagon information at the customer's mine sites.

Our Solution:

Using Pi Asset Framework to generate a templated solution that highlights & classifies severity of overloads when at each mine site.
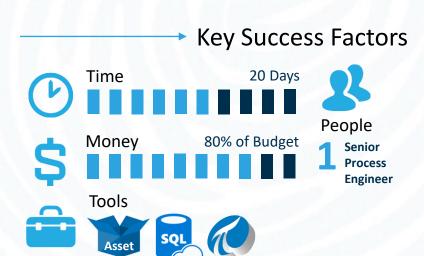
Solution utilizes Pi Event Frames to easily allow for notifications

Unlocked Potential:

The goal to eliminate virtual bottlenecks and improve throughput was achieved.

This resulted in a capacity increase of 2M tonnes per annum.

Upon completion of the project, further improvements were also scoped and provided to the site team with instructions on how to implement internally.

Andre Gibson
Co-founder & Director
Principal Process Control Engineer

Key Insight:
""The solution was configured to allow the ability to compare the port and mine readings with each other.
This in turn assists with identifying calibration issues between track scales."

Key Success Factors

Time   20 Days

Money   80% of Budget

Tools

Asset Framework

SQL

People

1 Senior Process Engineer

Understand
Understand the business issue - overloaded ore cars & error reporting

Develop
Develop solution that compares reported overloads

Calculate
Calculate overall statistics of reporting errors

Communicate
communicate and share results with business stakeholders