HISTORIAN PLATFORM PERFORMANCE DASHBOARD

CASE STUDY

Our Goal:

To create and develop seed projects in order to present value to the Client through efficient and effective analysis of Big Data already available to the business from their existing plants and facilities

Examples of these projects:

> Power metrics analysis & modelling
> Shift Performance Reports
> Virtual Weightometers
> Control Loop Tuning
> Supervisor Dashboards

Our Solution:

Stacey was involved in specifically developing a model to show Equipment OEE Metrics & constraint identification; creating Shift Performance Reports & Equipment constraint analysis for each site as well as a Supervisor Dashboard.

This was all done using data available in the Historian via an OSI PI Interface.

As a developer of these tools, reports and dashboards we have developed extra features along the way which have been more efficient and effective to the project.

E.G developing a “dynamic” Equipment Driver Tree to provide a better visualization of the OEE Metrics

Unlocked Potential:

These models, reports and dashboards created not only enable improved controllability of the plants but are all very useful operational tools which enable the business to visualize both historised and current real time data.

These tools can be used to easily identify key areas of the plant and equipment that need attention and allow the operator to focus on those areas and therefore create value to the business.

Key Success Factors

Time — **TBA**

Money — **TBA**

People

1 Senior Process Engineer

Tools

PI Processbook
PI System Explorer
PI Coresight

Stacey Forbes

Senior Process Engineer

Key Insight:

"This project has involved using OSI PI to the extent that has not been used in many other businesses so we have encountered some new challenges and have contributed to the OSI PI knowledge base.

We have also developed new and innovative tools for the business to enable more efficient & effective operation."

Identify
Identify projects for Big Data Analysis

Develop
Develop a case study or example report

Engage
Engage the client to ensure the solution meets their requirments

Explore:
Explore further ways to improve the design using the tools at hand (ie. OSI Pi)d

Finalise
Finalise the design

Benchmark
Benchmark the design utilising the appropriate client specific tools

Revise
Revise and repeat from "Explore" onwards until the customer is satisfied