

# SQCDP Use case:

## Thomas Swan – Performance Chemical manufacturing

1

### INITIAL CONTACT:

Enquiry received from Thomas Swan.

Web demo performed, Followed by a site visit to outline the initial scope and requirements.

Initial app released for trial after configuration.

2

### TRIAL & REVIEW:

Customer utilised existing PCs to trial the system in a production environment

Initial training provided for Operatives and Plant Managers.

Several iterations developed based on customer's feedback

End of trial review performed with management.

3

### IMPLEMENTATION:

Project plan generated to support upscaling across all Tier 1 (key) products

Significant improvements to be gained via data analysis creating time, material and cost savings.

Management can now review data effectively both in real time and in post processing



# Thomas Swan

Chemical manufacturing since 1926



# Scaling up

1



Collect Data

2



Analyse

3



Take Action

4



Improve

## Before...

Previously, manufacturing and process data was collected by the Operator handwriting key information onto hard copy documents.

The sheets took several days to work their way through the system before becoming available to the engineers and Plant Managers for analysis.

As well as being prone to mistakes and being difficult to read, the data was largely filed away, archived without any analysis, and not effective at all.

Any analysis of the data involved a laborious process of hand transcribing from the hard copy into a spreadsheet or similar. This took a significant amount of time and again was prone to errors.

## After...

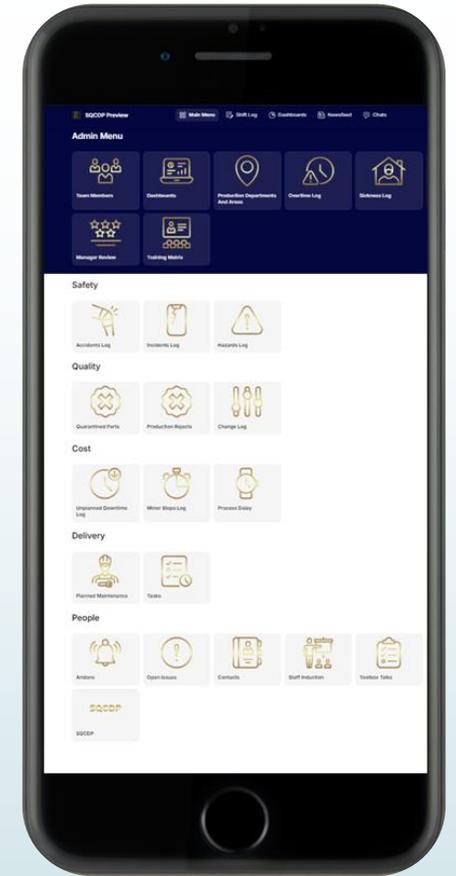
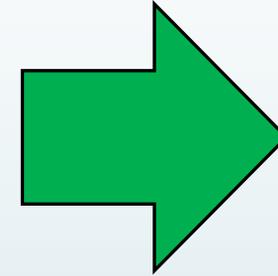
All process data can now be collected digitally and in real-time and can be viewed quickly for analysis, opening up many more opportunities for process improvements.

Collecting data is now faster than ever, with no mistakes, and a clear view.

# Digital MBCS

## (Manufacturing Batch Control Sheet)

A Manufacturing Batch Control sheet (MBCS) is an internal document at Thomas Swan. It acts a form of SOP but also as a production record. It provides step by step instructions to an operator while a product is moving through the production process, along with any associated hazard and PPE information. SQCDP were tasked with replacing these paper manufacturing sheets completely by creating a digital MBCS.



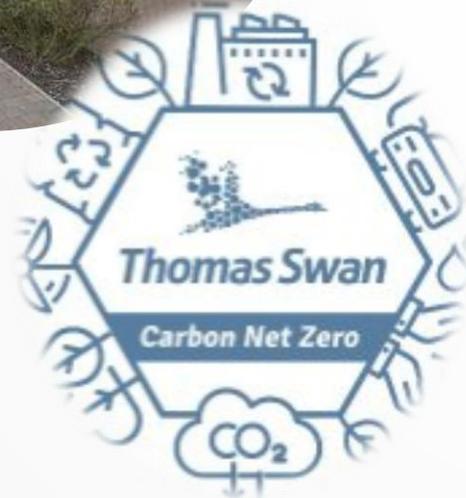
SQCDP created a fully digital, process style version of our app. Operators are now able to log on securely and pick a Work Order down-loaded into the system from Sage and are given step by step instructions as they produce product.

This digital SOP is also fully interactive for data capture where necessary such as...

- Specific manufacturing data records , such as temperature, pressure
- Quality sign off & audit data
- Time taken to complete each production process step
- Raw Material usage (amounts & batch Nos)

Data collected is then accessible to management staff and can be automatically displayed in graphical views and configured to the customers needs.

# Benefits



Reduction in manual administration tasks with easy and quick data inputs, outputs and analysis, control of data, archiving and review of documents.

Significant cost savings in direct manufacturing costs, and labour costs, with closer control of raw materials, process control, and multiple hours saved on a daily basis throughout the business, from operator level, to executive management.

Full manufacturing tractability.

Operator accountability and via log on credentials.

Access to real time information and process status for management.

Increased visibility throughout production - completion triggers for other departments such as warehouse, sales and procurement.

Standardisation of MBCS completion – same every time.

High level of version control.

Large reduction in direct paper and printing costs.

# Customer Feedback

*Operative – “The Electronic Batch Control Sheet is simple to use and eliminates the need for handwriting data onto hard copy forms. I can also record any issues or downtime and the reason for it in real time”*

*Continuous Improvement Manager – “We are now able to collect process data in real time instead of wading through handwritten sheets to understand improvement opportunities”*

*Team Leader – “I can view the status of my processes at any time and react to any issues arising. Completed Works Orders can now be reviewed without delay, and raw material usage understood allowing accurate stock control”*



**S**afety  
**Q**uality  
**C**ost  
**D**elivery  
**P**eople

# Safety, Quality, Cost, Delivery, People



Replace inefficient paper systems with our App and increase performance whilst reducing costs.



Provide operatives with tools that empower them to “tell their story and own their performance.”



Leverage real-time dashboards to visualize, monitor and understand the performance of your teams.



Utilise dashboards and analytics to identify root cause of issues and take corrective actions

Get in Touch:

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