

# exposé

Data Exposed

Case Study

## Adelaide Industrial Sands – Production Insights & Inventory Management

Digitising a paper-based production system and providing inventory insights from operator data entry using the Power Platform.



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## Problem.

Adelaide Industrial Sands (AIS) required real time actionable insights based on their production and stock levels. This was not achievable in the current state as all information from the operators was paper-based and there wasn't a process to enter this data into a system for reporting.

AIS currently records their productive output on paper entries from the operators and the data is then manually entered monthly into a spreadsheet for executive reporting.

AIS understood that they needed to go paperless to provide a streamlined approach from data collection to reporting, in order to:

- Reduce the time taken by operators in production capturing data
- Reduce the amount of human error when trying to interpret handwritten notes
- Enabling production & stock levels to be monitored in real time.
- Allowing executive reporting in real time for quick, actionable insights

## Solved.

At the request of AIS, Exposé assisted with a PowerApps Application for operators to record their workloads digitally on a mobile device and to create a centralised database foundation using the common data model.

Exposé helped create enhanced data entry forms and an inventory management system using business logic & processes currently adopted by AIS. This approach provides a wide range of statistical options and time based data capture for analysis.

A number of reports were created in Power BI utilising the new data model; demonstrating the capabilities of leveraging report development off a centrally managed data model. The reports provide an executive snapshot of recent production activities as well as current stock levels and any faults or breakdowns in the production line.

## Business Benefits.

The work which Exposé has undertaken results in the following benefits for AIS:

- Reduction in daily time and effort (production operators) with regards to creating and entering information on physical paper forms
- Reduction in printing and paper costs as the solution is now 100% digital
- Reduction in data entry errors which impact overall insights
- Allows the Production Manager to monitor changes of inventory levels in real time
- Allows the business to build self-service reporting to evolve their actionable insights and reduce the time spent manually capturing data
- The creation of a centralised data model enables staff to easily expand on and empowers the ability to create quality reports in a governed approach as well as gear the organisation towards 'smart technologies'.

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**Do you have any additional questions, or  
want to know more?**

We would love to hear from you.

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