

Mining Company Finds Gold With New ESG Data Capture Capability

Implements new Data Warehouse and analytics capability.



THE CLIENT

An Australian-based corporation that engages in the exploration, development, mining, and sale of gold and gold-copper concentrate had, like many businesses are looking to do, shifted its focus towards becoming a modern workplace and with it looked to report on its progress on sustainability. Unfortunately, it had hit a bit of a hard rock when it came to gathering, reviewing, and approving the data that needed to be reported.

THE CHALLENGE

The company's sustainability reporting relied heavily on complex manual processes. The overall process was unwieldy, prone to error and based on large and complex Excel spreadsheets. The challenge in reporting had grown in line with an increased focus on ESG (Environmental, Social and Governance) reporting for compliance and disclosure purposes. Additionally, as ESG frameworks and requirements change, the ability to manage the data gathering and approval process centrally and effectively was needed.



The company approached Decision Inc. Australia to help it remove the complexity of its manual processes. Quickly, the Decision Inc. team identified complexities in the company's overall ESG reporting architecture and made suggestions around consolidating and simplifying the review, approval, and audit processes for both manually collected and automatically populated ESG data sets.

THE SOLUTION

Decision Inc. Australia looked to address the issue through the development of a data capture application that would help facilitate the gathering of manually sourced ESG data from the company's various mine sites, head offices, and other production locations across the world. It provided an end-to-end PowerApps and Azure solution in-line with the mining company's existing Enterprise Architecture, investments, and standards.

We delivered the project with an agile project team covering off standard discovery, design, minimum viable product (MVP) development, review and production release steps. To deliver the capability and in order to align with the client's enterprise architecture, the decision was made to leverage Microsoft Power Apps suite of capabilities. This provided an agile, adaptable low-code solution that integrated natively with Azure Cloud services and the existing client environment.



The perception of mining organisations and the impact on the environment in the current political climate was intensifying the need to have a strong scalable platform for sustainability data and reporting. Equally, changes in regulatory, audit and compliance reporting requirements are ongoing and driving the need for adaptability and agility.

Aiden Heke

*Chief Executive Officer,
Decision Inc. Australia*



"The architecture, functional and technical specifications were developed to support an MVP but also enable additional ESG standards to be adopted at a later stage," said Heke. "The application design supports the addition or modification of users, approvers and administrators and scaling of locations, users and metrics recorded. By building this on an Azure cloud environment, compute and storage capabilities are sufficient to address any future growth requirements."

THE OUTCOME

The solution provided the mining company with:



A STANDARDISED MECHANISM FOR DATA

Gathering and input of manual ESG data is now done via a standardised process.

REDUCTION OF ERRORS

There has been a significant reduction in errors from incorrect manual data inputs, excel spreadsheet errors and process issues.

BETTER DATA AND INPUT CONTROL

A governed audit trail of the data submission and approvals was established which ensures the control and accuracy of data.

UP TO DATE SUSTAINABILITY AND DATA MODEL

The mine now has a consistent mechanism to ingest manual data into the Sustainability Data Model, this mechanism will ensure the model is always up to date and the process runs smoothly.

EASE OF APPROVAL AND AUDIT PROCESSES

A consistent mechanism to manage approval and audit processes are now in place and will smooth the process to ensure it is done timely and with ease.



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ESG trends across multiple functional areas enables the company to make operational decisions to reduce their impact on the environment and better manage their relationships with the local communities. As more companies look to become modern workplaces which meet new-age requirements such as ESG standards, we'll see a greater need for more accurate reporting and transparent processes. This is one company that has jumped ahead of the curve.

Aiden Heke,
Chief Executive Officer, Decision Inc. Australia

ABOUT DECISION INC. _____



Decision Inc. Australia is a leading independent data and analytics consultancy which delivers value from data faster.

We serve the Australian community and industry and believe that great data and analytics expertise will underpin economic recovery and prosperity. We provide insights and accelerated business improvement capabilities to help our clients in their pursuit of progress.

