

CASE STUDY

Boosting Productivity & Safety Through ITHENA's Custom-Built Ignition App for Mining Operations

Client Profile

A leading mining operation managing high-volume extraction activities across geographically dispersed sites.



Our operations are too complex for generic software. ITHENA delivered exactly what we needed, a custom-built Ignition app that fits our workflows, keeps our team safer, and gives us total control over our field data.

-Manager of Operations

CHALLENGES

The client struggled with:

- Inability to solve unique operational pain points by off-the-shelf software
- Manual, paper-based workflows for critical operational processes
- Disconnected spreadsheets and siloed data across departments

SOLUTIONS

The client partnered with ITHENA and implemented a multi-feature custom application built on the Ignition platform:

1

Tailored Workflow Automation

Digitized complex, site-specific manual processes across maintenance, safety, and operations

2

Centralized Data Capture

Replaced paper logs and spreadsheets with a unified, real-time data entry interface

3

Integrated Safety Oversight

Enabled proactive safety management through digital checklists, real-time alerts, and incident tracking

4

Configurable Dashboards & Reporting

Provided persona-based visualizations and automated reports to enhance visibility and enable faster decisions



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OPPORTUNITY FOR IMPACT

37%

Faster decision-making

30%

Decrease in reporting errors

47%

Enhanced data accuracy