

Building digital & AI capability for excavation risk assessment



Smart video-enabled auditable workflow

...for a leading power business with a diversified portfolio of retail, distribution & generation assets in Asia Pacific

The Challenge

Urgent need to digitise and accelerate safety reports

The client sought to reduce the need for manual inputs and avoid accompanied physical audits saving time and increasing safety.

Troubleshooting for safe practices during excavation work was time-consuming and often required repeat visits.

Their aim was to enable a “right first time” culture of Safety, increase coverage & quality of safety audits by providing remote capability.

“Vyn has been able to transform our processes from manual to digital... It took us just 4 weeks to deploy the technology”.

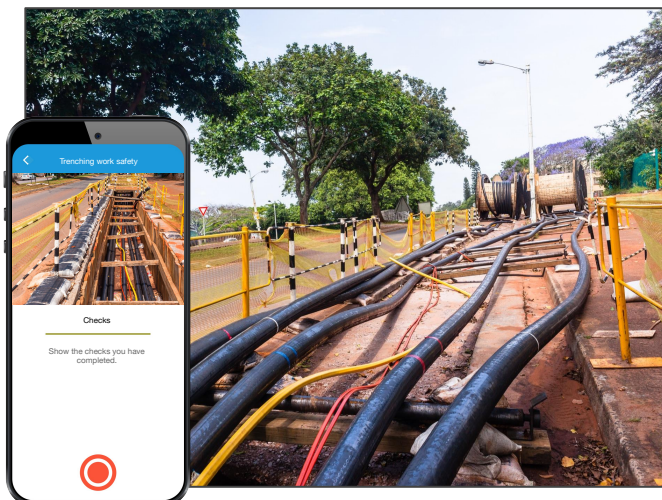
- Director, New Business Development

The Solution

An integrated, smart digital platform for better visibility and faster response

Vyntelligence simplified & digitised the Excavation Work Safety reports by re-imagining data capture & flow for faster actions.

- A rich multimodal guided mobile-first data capture with secure access & offline capability
- Two-way collaboration with image annotations for easy contextual troubleshooting
- AI-enabled alerts linked to dynamic safety scores shared with the right supervisory teams
- Real-time dashboards to track and remotely audit jobs in the field to prescribed safety standards



The Outcome: Data-driven intelligence & faster, high quality remote Safety audit of subcontractor field activities



Real-time feedback and results

Supervisors can now remotely audit the results in real time and provide feedback with contextual data



Automations reduce human error

Guided smart data capture with seamless integration and on-site alerts lead to better participation



AI alerts to embed safety culture

Automated alerts and contextual nudges on PPE, ladders & barriers compliance improve safety behaviours



Driving competency development

Through continued use of Vyn, the client is building a searchable knowledge base without any additional investment.

Delivering the change to build sustainable innovation using AWS

Data-driven intelligence and rapid digitalisation of analog safety processes

Developed and Hosted on AWS

AWS best practices for infrastructure-as-code and safety-by-design are put in place to deliver enterprise grade security, data protection, availability and scalability; ensuring a high level of service assurance using AWS operational monitoring

Full range of capabilities in use across solutions

The full AWS suite of products from S3 to Quicksight for access management, encryption, networking, communication, video and data processing, training and running AI/ML models, data visualisation and reporting are used to their full potential

Integration with existing Enterprise Systems

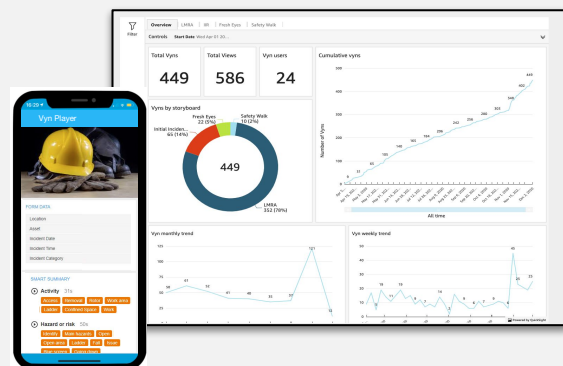
API gateway, AWS Lambda and other serverless technologies are deployed to provide cost effective, yet highly scalable, solutions for integrating Open APIs into a wide range of commercial or proprietary enterprise systems

High Operational and Data Security Compliance

High operational and data security compliance requirements are met for even the most demanding large enterprise applications thanks to AWS' leading support for DevOps, software deployment, infrastructure as code, role and policy-based least privilege access control

About Vyntelligence

Vyntelligence provides category-defining Digital Solutions for transforming complex Analog Work. It gets the work done - simply, quickly, and effectively - helping to achieve sustainable innovation. We empower your frontline workers, customers and back-office personnel to make early decisions using Smart data capture and AI-powered insights using our pioneering SmartVideoNotes. Our patented AI-driven technology is designed to enable businesses to rapidly deploy new and differentiated solutions with an eye for outcomes.



Want to find out how Vyntelligence can help?
hello@vyntelligence.com

Capture. Connect. Close the loop.