

# Creating a proactive safety and learning culture

## Improving Thermal Plant productivity

...by accelerating mitigation actions 20x faster for one of the world's top 10 energy companies

### The Challenge

To simplify safety reports while creating a proactive safety culture

The client faced a number of challenges in their workplace safety processes, including checklists that were lengthy and subject to cognitive bias. Supervisors had limited visibility and, at times, insufficient data to take appropriate action on last-minute risks, safety walk reports and hazards. They were seeking to shift their safety culture from a rule-based checklist system to a more proactive safety mindset.

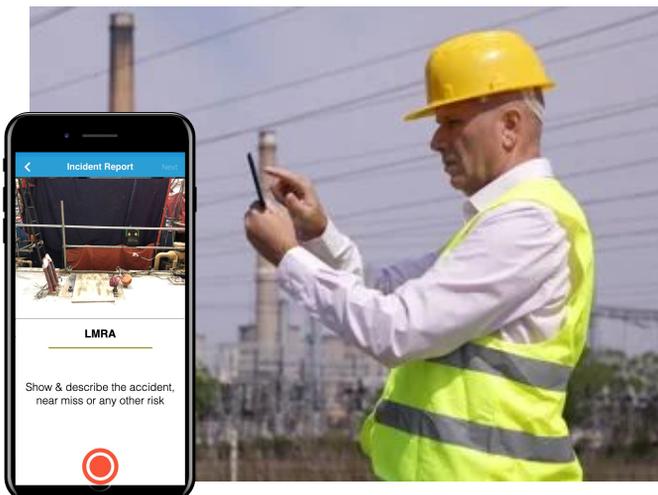
*“Vyntelligence enhanced our incident response time and are helping to embed our Fair & Just safety culture.”*

- Thermal Power Plant GM

### The Solution

A simple-to-use Safety Solution delivered in under 6 weeks

Vyntelligence simplified the risk assessment processes. By enabling rich multimodal data capture and providing an AI-enabled supervisory interface, the client could review risks/ hazards and close the loop in near real-time.



With greater visibility of Last Minute Risk Assessment and Safety Walks for example, Vyn improved coverage, participation, and safety culture. Simplified dashboards increased the visibility of safety KPIs and enabled the investigation/ resolution of root causes.

## The Outcome: Heightened awareness and sensitivity to workplace safety & 20x faster incident response time



### Faster incident response (20x)

Digitised the Health, Safety & Environment (HSE) end-to-end processes - saving time and acting faster. Reduced the overall cycle for decision making



### Enabled preventative action

Proactively detected and acted on leading safety indicators; by capturing the right data early, engineers identified HIPO incidents and responded accordingly



### Pervasive safety and learning culture

Enabled everybody to become a safety advocate - the 'eyes and ears' in the field for proactively identifying health & safety hazards



### Health and Safety Compliance

Recommendations and actionable insights led to timely deployment of pre-emptive measures against threats to worker safety

## 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

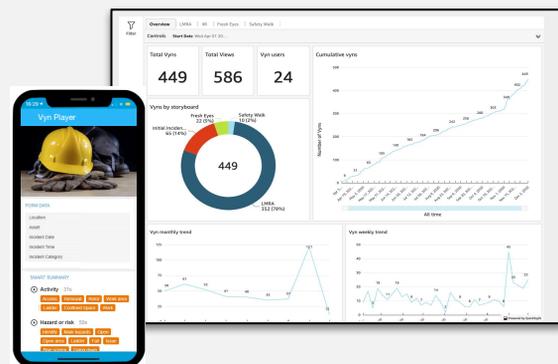
API gateway, AWS Lambda and other serverless technologies are deployed to provide cost effective, yet highly scalable, solutions for integrating Open APIs into a wide range of commercial or proprietary enterprise systems

#### 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?  
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**Capture. Connect. Close the loop.**