



E-Permit to Work REMOTELY

Reducing Risk & Improving Safety



Oil & Gas Industry

Our client is the world's largest independent E&P company based on production and proved reserves.

Across 17 countries of operations, 10,800 people work in an integrated way to find and produce oil and natural gas. They are challenged with an important job to safely find and deliver energy to the world.

For our client, the desire to minimise on site personnel and increase workforce flexibility options became the number one priority as COVID 19 grew more prevalent in Q2 2020. Being an industry that generally relies on face to face review of job sites ultimately the preference was to only have critical front-line workers attend site, which raised new challenges for creating, viewing, approving or responding to Permit to Work requests for high risk work that traditionally included site review and monitoring.

The Challenge

- To enhance existing compliance processes using the Beakon system, to further provide logical, robust and remote Permit to Work issuing options, ideally with automated approval processes where appropriate.
- Providing employees and contracting companies the platform to communicate, review and submit documentation, provide electronic signatures and validate supportive documentation quickly, easily and REMOTELY.
- Manage the implementation project to ensure minimal disruption to an already 'change fatigued' workforce.
- Deploy best practice processes for remote and digital Permit to Work issuing.

The Goals

Utilise Beakon's previous experience and knowledge to deploy the 'E-Permit to Work' module across multiple sites, quickly and with minimal disruption.

- Spread the 'Permit to Work' workload including digital site review options
- Sign workers in/out of High-Risk Work Permit with full traceability, across multiple shifts and days (including GPS location markers)
- An easy-to-access and easy-to use portal/interface for end users, including full mobile functionality.
- Comprehensive, real-time reporting.
- Clear, 'traffic light' system to provide visual indication of compliance to legislation and ConocoPhillips's compliance framework.
- Electronic signatures for remote authorisation.
- Automated workflow with confidential communication channels and approval/reject/review options for submitted request and E-Forms.



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The Outcomes

Beakon helped to convert, what was a highly paper based 'Permit to Work' process, into a digital procedure for all parties involved.

Security Group partitioning and role permissions within Beakon ensured Workers (or work groups) could create, edit, and submit 'Permit to Work' documentation relevant to their qualification level, spreading the workload.

This meant the Permit to Work process could be remotely initiated by a range of individuals including the Project Lead, Contractor Company, Contractor Worker or Employee depending on the task, all from the comfort of a home office. Once initiated the E-Permit and all supportive evidence (photos, documents, links) could be reviewed by an appropriate Permit to Work Issuer, again remotely, and depending on the process including automatic approvals.

E-Permit to Work processes include all of the compliance elements you need to keep workers safe and meet legislative requirements during High Risk Work, all in a logical and automated process flow, helping to drive great safety behaviours including

- Safety prompting checklists tailored to your unique business needs
- Energy isolation questionnaire to ensure appropriate consideration given to LOTO
- Visualised energy isolation maps during the operation supporting remote monitoring
- Electronic sign in/out of workers to a 'Permit to Work' across multiple days and/or shifts where required including GPS location markers
- Full traceability of 'Permit to Work' process including creation, approval gates, two-way communication, pre-job checklists, energy isolation, on the job monitoring, and post job review.

Managing a high-risk work environment with a variety of specialty trades, operations, and environments our client now has peace of mind that third party contractors are coming on site, licensed, trained, qualified and insurance each time, every time. That combined with clarity on which work orders require 'Permit to Work' documentation and additional attention they are 'audit ready', compliant and risk mitigating every day, every job, every person.

Ultimately our client, with the help of Beakon, was able to close some known risk gaps in an effective, efficient and future proof way as remote working and flexible workforce options become increasingly attractive, including the Oil and Gas industry. In addition, they were able to provide senior leadership with insight rich dashboards, functional reporting and evidence of improved safety outcomes through internal auditing.

Key Achievements

- Full visibility of Work Permit status including, approval process, associated workers (in real time), any linked energy isolation requirements, any linked additional PPE requirements, safety check-list completion and task creation.
- Full contractor access control based on compliance, including insurance, licences, certificates, training, and/or inductions.
- Easy to understand visual dashboards and performance monitoring tools to provide absolute clarity of compliance and risk status.
- Easy to use, logical, methodical representation of our actual processes and obligations under legislation and company policy.

Advice for Others

If you have a tight timeframe to implement, get the fundamentals right and adopt a staged approach using most functionality 'Out of the Box'. Fortuitously, Beakon's off-the shelf framework is ISO-based giving you a real 'rapid implementation' option.



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