



ASK-EHS Helped Equion to Implement a Seamless Digitalized PTW System

Need

Upon reliance on paperwork to establish permit-to-work procedures, Equion was in search of a digitized PTW solution that would simplify processes and integrate the system for all their plants

Challenges

Equion relied on manual communication and only essential paperwork for its permit-to-work procedures.

- ☛ Manual effort to scope work and analyze risk.
- ☛ No uniform PTW process to manage hazardous work.
- ☛ Optimize large volumes of paperwork for isolation points
- ☛ No centralized information of PTW of varied locations.
- ☛ Lack of real-time visibility to coordinate activity accurately.

Our Client

Equion

Promising sustainable energy

Equion is a comprehensive hydrocarbon company that transforms lives through the generation of sustainable energy. It has developed long-lasting, durable, and constructive relationships with stakeholders, government authorities, and relevant communities.

Equion is responsible for the exploration, production, processing, marketing, and transportation of hydrocarbons in a safe, reliable and sustainable manner.

The Story

The Colombian Government hired Equion for the O&M of its multiple oil and gas plants.

Equion dominated the operations and management of the oil and gas assets for the Colombian government. It was the contractual assignment for which the Colombian government deployed Equion.

As we all know, Equion is an established name in the oil and gas sector. Their operational efficiency is incredible for the same.

The Colombian government had outsourced Equion to manage its all oil and gas plants. These were located at varied locations. Therefore, Equion was supposed to address the structured and unstructured O&M of these plants with the intent of superior efficacy.

The Challenges

Up to a certain period, Equion relied on manual communication and 'only essential' paperwork to establish permit-to-work procedures. But it knew that with the vast amount of data and pressing business needs, Equion must digitize its PTW system.

Equion had approached multiple companies for the digitalized effort, but none could convince them. Equion found the off-the-shelf systems to be complicated and regarded that the time in training and teachings would be magnified and undermine their operational efficiency.

Thus, they needed someone to develop a customized solution to reduce the training and implementation time, simplify the processes, integrate the system (for all plants), and create a seamless PTW system.



The Solution

ASK-EHS designed a PTW software after careful study of each job activity and its procedures, which resulted in successful implementation throughout all the plants.

Technical Aspects:

- ☛ Hot work & cold work permits
- ☛ Confined Space Certificate
- ☛ Isolation Certificates
- ☛ Template for High-Frequency & Low-risk work Permits
- ☛ Task Risk Assessment
- ☛ Area-map
- ☛ Search engine

The Solution

When Equoin approached ASK-EHS, they had an idea of PTW software. But this idea was of the various companies that they had rejected. So they formed a committee exclusively to address matters of the PTW software for ASK-EHS. Then they jointly worked with the ASK-EHS team to define a uniform system.

Our team at ASK-EHS bravely took on the challenge. We designed and presented a prototype based on multiple conversations held with the Equoin PTW committee.

The benefits of the software are;

- Optimum compliance to schedule and safety
- An easy permit creation process
- Multiple devices communication and configuration
- Reduced time and effort in the approval process

tested the software on a small-sized department as a pilot run, and it was a beaming success. Then they quickly rolled out the system to their smallest plant and gradually implemented it in all the plants in 4 months.

Our infrastructure teams collaborated with their IT team and assisted in deploying the entire software on Microsoft Azure Infrastructure.

Thus our software was the ultimate solution for their challenges. The essential features included in our software were;

- Fully integrated PTW system
- Hot work & Cold work permit issuance & closure
- Isolation Certificate
- Confined space certificate
- Templates for daily/ low risks permits.
- Attachment friendly
- Multiple device accessibility
- Automated workflows
- Robust dashboard

Key Takeaways

The PTW software developed by ASK-EHS brought a paradigm shift in the procedures of Equoin's PTW system. The decision-making quality of the approvers, permit requestors, area authorities, and isolation officers improved drastically.



The Daily Low-Risks Permit issuance required fewer approvals and thus saved a tremendous amount of time.

Equoin PTW software provided the two levels of hazard identification and risk assessment along with the above.

When it came to addressing the challenge of the isolation points, our experts had crafted the best possible solution. We gathered all the information on their isolation points in a master excel sheet. Once all the vast data was in place, we imported it into the PTW software.

Thus, the isolation officer has a predisposed list of the isolation points of all the equipment in the workplace. The software also has provisions to modify, delete, update, or add isolation points as per the changes or up-gradation of the equipment.

And That's How We Both Succeeded!

Equoin's challenges were solved by;

- Digitization of PTW system
- Reduced Manual Work
- Quick Training of Employees
- No latency delays and Quick Approvals
- Seamless Processes of Hazard identification and Risk Assessment
- Accelerated Generation of Isolated Certificates