

Case Study

Company

Bunduq Oil Company Ltd.
(A sister concern of United Petroleum
Development, Japan)

Project

e-Permit to Work (PTW)
Software

Objective

To replace the existing Paper
based PTW systems to
Electronic System

Location

Abu Dhabi, UAE



BUSINESS CASE

Bunduq Oil Company Limited was established to develop the offshore El Bunduq oil field which is located on the border of the Emirate of Abu Dhabi and State of Qatar, some 200 km west of Abu Dhabi city and 100 km east of Doha. Bunduq is a renowned name in the competitive oil & gas sector. The company has consistently been at the forefront of offshore oil extraction operations.

Bunduq was looking for a solution that would allow them to convert "Permit to Work" (PTW) procedure into an electronic format as a PTW Software. The client was already having PTW procedure ready with them and it needed a customized Permit to Work software dully operated at their offshore complex and head office situated at Abu Dhabi. This would allow them to establish control, co-ordinate, communicate, follow correct work sequences among the participating agencies.

With this intention they contacted ASK-EHS, India's most preferred EHS service provider with excellent domain knowledge. ASK-EHS offered them the solution to their difficulties, ASK-EHS E-PTW Software which comes with an option for Customization of the Software which can be tailor-made so that "You don't adjust to the Software, the Software Adjusts to your System". As a result Bunduq awarded the project to ASK-EHS.

KEY CHALLENGES

- Bunduq was facing difficulties converting PTW to electronic format. As majority of Industries followed a paper based Permit to Work System, many players in EHS field offered a system based solution which had a predefined software structure. These solutions were not open for accommodating user's requirements; instead the user had to accommodate to their systems.
- Client was using paper based system that included many intricate sub-procedures within a single frame and was time consuming.
- The paper based permit life-cycle was predefined. Being done manually, it was difficult to track the permit status as the approving authority at Bunduq and had no tool for checking status of various permits.
- Client was facing difficulty for referencing old permits, as they had to search them out from stack of papers.
- The biggest challenge for them was to replace this existing Paper based PTW systems to Electronic System.

WHAT WE DID

- The Request Gathering Team and Software Team of ASK-EHS went to the client site and got a brief idea about their requirements. Having clearly understood the needs, ASK-EHS set about weaving the subject into a cleverly developed plan.
- ASK-EHS designed and developed an 'Electronic System' that simplified the otherwise complex system and flawlessly fulfilled all its aims.
- The technical team developed customized PTW software consisting supplementary certificates like Electrical Isolation, Mechanical Isolation, Radiography, Wellhead Handover, Confined Space Entry, Diving along with Hot work and Cold work permit
- ASK-EHS training team then provided training to Bunduq Offshore users at their offshore complex for the efficient usage of software. This customized solution was very useful to successfully replicate the paper based system to electronic signatures.
- The PTW software which was developed for client included various workflows starting for Application for Permit to Permit issue and its cancellation. Software has individual work flow for every supplementary certificate as well.
- Finally ASK-EHS technical team developed, installed and successfully implemented PTW software at client's offshore complex. Access to the software was been extended to Bunduq head office as well.

RESULTING BENEFITS

- The **electronic Permit to Work system is running successfully** at the client's offshore complex and head office since the time it was delivered by ASK-EHS.
- With **optimal training** on the software the results obtained were more feasible, productive and solution oriented.
- The project enjoys **enhanced productivity at its premises** due to significant reduction in time taken during the permit cycle as well as a transparent system that allowed users to track current status of all permits and relevant isolations

END NOTE

The client was fully satisfied with the final product delivered by ASK-EHS and has been happily using the e-PTW Software since its installation.

Contact us:

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