

JK Cements Amplified Safe Work Environment by Implementing PTW Software



Need

Managing the PTW workflow for all the plants was taking a toll on them. A centralized and comprehensive process was required for a seamless permit-to-work workflow.

The Challenges

The age-old methods to establish PTW procedures were creating obstacles in the workflow. The client required a solution to simplify processes and integrate a system to streamline and automate PTW for all their plants.

- Outdated, Unreliable, and Timeworn PTW System
- Unable to seamlessly handle multiple equipment isolations.
- Too much paperwork
- No proper alerts or notification system
- Delay in work due to insufficient details

ASK EHS's PTW software organizes and implements permit-to-work in a synchronized and precise way. It also incorporates extensive involvement from all levels of management and contractors.

About The Client

JK Cements is a name synonymous to toughness and keeping up with promises. It is one of the leading white cement manufacturers in the world.

JK Cements Ltd. is India's leading and promising Grey and White Cement manufacturer. It has established its strong foothold by being one of the leading manufacturers of white cement globally. With over four decades of experience, the organization has partnered with India's infrastructure needs. Its name is synonymous with excellence, customer orientation, and technology leadership.

JK Cement's operations commenced with commercial production at its flagship gray cement unit at Nimbahera, Rajasthan, in May 1975.

The Association

Our client associated with us for digitizing various safety modules, PTW being one of them.

JK Cements has almost 12 manufacturing plants with numerous units and plants spread over acres of land. The locations of these units are geographically different. One of these plants is also located in Abu Dhabi.

Therefore managing the PTW workflow for all the plants was taking a toll on them. A centralized and comprehensive process was required for a seamless permit-to-work workflow.

With this challenge, they approached the ASK EHS team and asked them to provide a solution for a comprehensive PTW system for all their units and plants.

The Challenges

JK Cements relied on an outdated system that involved many complex processes and sub-processes for a single operation. The PTW lifecycle got difficult when there were multiple equipment isolations involved. Additionally, with the increasing number of plants at different geographical locations, tracking and managing PTW was arduous.

The Solution

ASK EHS curated a PTW software to remove the existing obstacles, drive improvements and increase operational efficiency. The software is an innovative and simple solution to complex issues.

- Tailored system to incorporate solutions in a single frame
- Digitalized lifecycle of the entire PTW system
- Comprehensive Permit management
- Easily manage multiple equipment isolations
- Centralized PTW system for all plants

PTW requires a detailed description of the task. Therefore the description of the work, location, tools, equipment, hazard identification, risk analysis, method reports, and more meant enormous paperwork. It also caused a delay in work. Additionally, knowing the cause of the delay would be time-consuming as there was no system to create alerts or notify of the same.

Also, they required a system that was easy to use and would create a centralized workflow for all their plants. Be it international or local; the system must automatically adhere to the local laws and develop forms and reports accordingly.

The system is to be used by the operations people, so it needed to be precise and understandable without technical ado.

The Solutions

Our team clearly understood the client's needs and assessed the overall scenario. After brainstorming, our technical team curated a solution to ensure that the PTW workflow was managed seamlessly for all plants, locally and globally.

All the PTW processes and sub-processes were incorporated on a single platform. The e-PTW software replaced the ancient methods and proved more than efficient. Everything was visible in real-time, from submitting the permit request, tracking its entire cycle along with the full range of HSE standards, to updating the equipment isolation history. It saved time and resources while expediting the PTW process without compromising on any safety aspect.

The forms were generated as per the local rules and regulations. Users could find permits with the help of status and location-based search criteria. Additionally, concerned people were notified and sent alerts about the status of the tasks and their further requirements.

The ASK EHS team explained to the users every detail of the software in the most user-friendly way. Our on-site team explained the tasks and successfully trained the involved client team.

The e-PTW software streamlined the PTW system for JK Cements, irrespective of their locations and the nature of the tasks.

The Result

ASK EHS's e-PTW system considerably reduced the permit cycle time and made it comprehensive and transparent for all locations.

The e-PTW software allowed;

- Users to track the current status of all permits and related isolations.
- Contractors and staff to request permits with a single click.
- Managers to detect job activities in real-time.
- Authorities to track all permissions and their reasons.
- Flagging of any corrections, risks, and working instructions.
- Centralization of PTW process irrespective of the location.

Our solution resulted in improving the process for the JK Cements team through solutions that were simple and easy to use!