



ASK EHS Built a Comprehensive Safety Management System

Need

The Client required a clone of their former EHS management system with revamps and updates.

The Client was initially part of a major steel corporation. And it utilized the same safety software as the corporation. But, when The Client became independent, they required a similar kind of safety application. Also, they had specific requirements for their safety application with a necessary set of modules.

The Challenges

Our client was looking for a specific EHS Management System that could be the best fit for their safety program and they wanted nothing but the best.

What they wanted was:-

- Clone of the previous EHS system.
- EHS system device limitations
- Lack of automated report generation.
- Lack of regulated performance management.
- Time limitations

About The Client

The Client is a pioneer and one of the renowned names in the steel industry. It traces its lineage to 1961 when it incorporated National Iron and Steel. It is known for its key partnership in providing products for the iconic Changi International Airport and other constructions that are a trademark to Singapore's skyline.

The Client consistently delivers premium reinforcement steel products and solutions as per Asia's construction industry's needs and requirements.

ASK EHS and The Client

So, how did The Client find ASK EHS?

Thanks to search engines and the scope of advertising, The Client quickly found us to implement their solutions. Their requirements were unique, but our expert team identified the ways to provide them with exactly what they were looking for!

The Challenges

As mentioned above, The Client required a similar EHS management system to the ones they were using before. Therefore, the same system and UI were to be designed. Also, the former EHS system needed to be more responsive, as it could not be accessed on handheld devices.

There was also a lack of automated reports and KPI generation.

Basically, the former EHS system had its limitations. So, the developers at ASK EHS were asked to develop the old system but with a revamped outlook! Moreover, The Client required the system to be developed in not more than two months.

The Solutions

Phase 1 Execution

The initial phase rolled out the following modules, i.e., within two months.

A. SOA Observation Module (HSE Observation)

The module allowed recording, tracking, and closing safety observations easily. Employees could categorize their safety observations and assign CAPA accordingly.

B. Incident Module with Action Items (Recommendations) Module

This module provided a systematic approach to managing incidents. It laid a flexible and standardized approach to incident management practices by notifying to ensure deadlines are met, and the task is completed on time.

The Solution

ASK EHS curated an EHS management just as required by The Client. Along with their former safety program, improvements and additions were made for seamless EHS processes

- Created similar EHS software
- Timely delivery
- Safety modules revamped
- Responsive software
- Automated reports and KPI generation
- Training

C. Job Cycle Check Module

It was developed to monitor the different stages of a safety job cycle. The module ensured that each task was completed on time and that no errors or issues caused delays or failures. It also provided feedback to the system or the user regarding the status of the job cycle, such as the percentage of completion or any problems encountered.

D. Dashboard Reports & Charts

The Client needed a foolproof method of generating reports and KPIs for informed decision-making. As a part of our EHS software development, we encourage clients to incorporate a report generation module. It allows the authorities to easily maintain records and process them in the form of matrix, pdf, word, or excel sheets.

E. Training

We provided all the necessary on-site training for the Singapore plant employees to ensure that all employees understood their roles and responsibilities. Similarly, we trained Malaysian plant employees in an online training program.

The above modules worked incredibly for The Client. They were elated that ASK EHS delivered efficient work in the stipulated time. In fact, during the training sessions of the above modules, they assigned us to incorporate more modules, which we called Phase 2 Execution.

Phase 2 Execution

ASK EHS understood The Client's requirements and processes appropriately to execute phase 2.

The delivery of phase 2 was a feather in our hat, as we delivered the prescribed modules in just three months.

The modules delivered in Phase 2 were;

A. Log Contractor Safety Management

A single module managed the entire contractor and vendor safety management. The software ensured that the contractor adhered to all terms of training and regulations while executing their work.

B. Log CSM Assessment

Assessing Common Safety Methods through manual ways had various challenges. Therefore, a CSM module assisted The Client's safety department in easily describing and achieving safety targets.

C. Fatality Risk Control Program with Action Items (Recommendations)

This module ensured that the audits, risk management plans, and safety control programs were in place. It also recommended actions as in and when required for potential threats.

D. Log Consequence Management

The consequence management module helped smoothly strategize exit and emergency plans. This module provided updated The Client's objectives and strategies for reinforcement and corrections.

E. Reward & Recognition

This corporate module determined and examined employees' performance and ensured that they received rewards and recognition for their hard work. This module maintained the performance of all employees, and the authorities could assess them accordingly.

The Benefits

Our entire execution of the EHS management system helped The Client to;

- Manage multiple services and workflow processes.
- Access and manage KPI performance reports.
- Generate the latest reports quickly.
- Automate report generation in the form of Excel, PDF, Matrix, etc.
- Keep track of employee performance through the "reward and recognition" module.
- Easily track the workflow of respective modules through the "next action perform by" feature.

F. Responsive Application

The team at ASK EHS developed the entire application to work on the browsers of handheld devices. Post the execution, almost 70% of the EHS activities are performed on handheld devices.

Post Implementation Benefits

The EHS management system implementation at The Client proved to be beneficial in multiple ways. Firstly, it enabled the company to efficiently manage multiple services and workflow processes. Secondly, it allowed access and management of KPI performance reports, ensuring that the organization is always aware of how well it is performing.

In addition, it enabled the generation of the latest reports quickly, saving time and effort. Fourthly, it automated report generation in various formats like Excel, PDF, Matrix, etc., making it easier to share reports with stakeholders. Furthermore, the "reward and recognition" module helped in keeping track of employee performance.

Finally, the "next action performed by" feature made it easy to track the workflow of respective modules. Overall, the implementation of the EHS management system proved to be a valuable addition to The Client's operations, facilitating better management and improved performance.

As a result of collaborative efforts, we achieved significant triumphs in the EHS management system for our client. The Client also reduced its time and resource investment while amplifying safety.

Conclusion

In conclusion, implementing a comprehensive EHS management system, employee training, and performance management positively impacted The Client's EHS compliance and environmental impact.

By standardizing EHS policies and procedures across all facilities, investing in employee training, and regularly monitoring compliance, they were able to reduce waste generation, emissions, and employee safety incidents. Additionally, these efforts not only improved The Client's EHS compliance but also enhanced its reputation and helped to build trust with customers, employees, and the community.

Hence, ASK EHS and The Client successfully built an association that reaped significant benefits from the EHS management software.