



Montecarlo

-Transitions into a harmonized system for EHS management

Need

Montecarlo realized its need to fundamentally transform its approach to workplace safety – they looked for a digitized and centralized EHS management system that drives enterprise-wide EHS initiatives and gives comprehensive visibility to compliance metrics.

Challenges

Montecarlo professionals found it difficult to standardize processes and maintain compliance across their sites. They lacked on-demand visibility to safety metrics at an individual as well as corporate level.

Montecarlo Limited is recognized as a reliable engineering and infrastructure company that has established its presence in India in 6 verticals – Highways, railways, buildings and factories, mining, energy infrastructure, water and irrigation. With 100-120 sites across India, their goal is to actively engage in creating high quality construction projects and continuously improve and grow their business.

Construction and infrastructure projects in Montecarlo were geographically distributed – and initially, tasks and activities on-site were managed through cumbersome paper-based systems. ChallengesOver-the-time, as they expanded, it became more apparent that standardization and supervision was substantial for Montecarlo to ensure company-wide compliance for all the complex EHS issues. The system and data needed to be readily accessible in a format common to all the users from the distributed facilities and had to be simultaneously visible at the corporate level.

Gain visibility into EHS management performance

The need to improve data visibility and communication led them to the OSH India Exhibition organized in Mumbai in December 2018, wherein they approached ASK-EHS for a solution to meet operations, process safety and compliance requirements.

Construction and infrastructure projects fall within an extensive range of laws and guidelines that are designed to protect workers, contractors and the general public. The infrastructure environment is subject to higher distribution of hazards than any other workplace – unlike most workplaces that are static, infrastructure sites face changes all the time, plus weather conditions make incident-accident related fatalities and injuries more likely.

To maintain high standards of safety and efficiency in Montecarlo's industrial environment, EHS management software was proposed, which, with a plethora of metrics, can capture events and actions on-site. It encapsulates the use of end-to-end business requirements and processes that are designed to achieve continuous improvement in EHS performance.

The project was initiated in the fourth week of December – wherein ASK-EHS professionals visited their site in Ahmedabad to understand requirements. The essential capabilities that Montecarlo looked into, within the EHS management software were:

- Corrective and Preventive Action (CAPA) module to monitor and review root causes, corrective actions taken and verifications.
- Change management to establish set protocols to monitor and execute management of change



Solution

- ☞ Streamlined data collection
- ☞ Data logging on the go (Mobile App)
- ☞ Improved reporting efficiency
- ☞ Better compliance with regulations
- ☞ Critical information tracking
- ☞ Data collection consistency
- ☞ Improved operational performance

- Incident and near-miss reporting to maintain the track of on-site incidents and near-misses
- Site observation module to maintain safety vigilance in tasks and activities
- Inspections, internal and external audit modules to provide an instant platform for routine audits and inspections, reporting and analysis
- Register of Regulation to track & store regulatory compliance & external permits
- Meeting management for managing meeting details along with its action item tracking

Leverage software solutions from one site to another

IA comprehensive, integrated EHS management software that covers event logging, work instructions, inspection rounds, abnormal events (incidents), managing change and reporting helps transform unstructured information into a smart digital asset ensuring safe and efficient operations throughout the entire lifecycle. It fundamentally transforms the approach to workplace safety.

To manage regular tasks on Montecarlo sites that regularly witnessed more than 4000 employees, a centralized EHS system was ideal to manage their structures and facilities of all complexities. In every single project, engineers, team members, work managers, project managers, business heads were responsible to facilitate safety during construction and operations. For the top management, vigilance over the operations was tough as processes weren't streamlined – they could not quantify risk in order to make better decisions.

The transition to an automated solution is relatively painless with the right EHS management software – in Montecarlo's case, it allowed their users to track each process from the initiation of the request to its full completion, coordinating each step across different departments. Also, the increased accessibility in reporting and metrics maximized awareness and connectivity with the stakeholders.

The whole deployment had two phases – with incident and near-miss modules, site observations, inspection and meeting management modules, first phase went live in February 2019.

ASK-EHS understood the crucial EHS requirements with time as the driving need and provided the flexibility to scale their systems with the business needs – it tailored the EHS management software to meet their unique requirements and led out extensive handholding and assistance in implementation and support. With this approach, Montecarlo was able to realize the benefits of EHS platform in an accelerated time-frame.

In mid-July, second phase was rolled out. The software brought consistency to the work processes and made the right information visible. Along with the software, they looked for a mobile tool for CAPA approvals, change management and incident reporting – an EHS Mobile App was a perfect fit. It eased their reporting mechanisms and enhanced data transfer, making them faster and efficient. After accommodating their needs in the first week of August, the app went live in the first week of October.



“One of the key differentiators that ASK-EHS provided was the mobile-first solutions that aided in incident and near-miss reporting – without being tethered to a computer system, we can seamlessly report incidents, enable CAPA approvals and facilitate changes in processes. We could easily track safety metrics, make informed decisions – in short, we saw a demonstrated value in opting for an EHS management software”

EHS software insights to enable proactive measurement and optimization of safety performance

Any change in an organization shifts a team's focus – whether it's a strategy, goal or a technology. Complications with the implementation of a new process and potential hazards can all be setbacks to the shift that an organization tries to make.

Montecarlo was clear in their approach of new developments on their sites – their change management module was a testimony to the same. It serves change management functions on three levels – business requirements, SOPs and budgets. This is ideal to identify, evaluate and communicate changes in the most simplified ways.

All the modules span across Environment, Health and Safety and ensure that the workplace needs are completely covered. EHS management software is profound and intuitive – it is thoughtfully designed, tested and developed and collectively leverages workplace process synergies.