

Smart My Safety Platform: A Revolutionary Solution for Ensuring Workplace Safety

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ABSTRACT

Objective: In today's dynamic industrial landscape, ensuring comprehensive safety management processes is crucial for safeguarding the well-being of employees and mitigating potential risks. **Method:** The Smart My Safety Platform (SMSP), developed by the Korea Industrial Safety Association, represents a groundbreaking solution that leverages web and mobile interfaces to implement a smart safety management process. This integrated system provides a range of essential features, including daily, periodic, and ad hoc safety inspections, collaborative partner safety management, safety education management, safety certification inspections, risk assessments, and industrial safety and health committee operations. One notable aspect of the SMSP is its ability to support companies in effectively responding to the recently enacted Serious Accidents Punishment Act in South Korea. The platform facilitates the establishment of a computerized system to ensure compliance with legal requirements, enabling companies to systematically address the specific provisions of the law. For instance, the SMSP enables the allocation and execution of safety and health budgets, the evaluation of performance for safety and health management personnel, and the assessment of compliance with safety and health-related regulations. By streamlining these processes, the platform helps companies navigate the complexities of the legal framework while promoting a safer work environment. **Results:** By adopting the Smart My Safety Platform, companies can realize numerous benefits. Firstly, the platform alleviates the burden of excessive paperwork, providing a digital ecosystem where safety-related information, reports, and documentation can be easily accessed and managed. This reduces administrative overhead and enables safety professionals to focus more on strategic safety initiatives and proactive risk management. Furthermore, the SMSP enables more scientific and systematic safety management practices. With its intuitive web and mobile interfaces, the platform empowers users to perform safety inspections efficiently, generate accurate reports, and track safety-related activities seamlessly. The inclusion of collaborative partner safety management capabilities facilitates effective communication and coordination between different stakeholders, ensuring a holistic approach to safety management across the supply chain. Another crucial feature of the SMSP is its robust safety education management system. The platform enables companies to track and manage safety training programs, ensuring that employees receive the necessary knowledge and skills to perform their jobs safely. This promotes a safety-conscious culture within the organization and reduces the likelihood of workplace incidents. **Conclusion,** the Smart My Safety Platform developed by the Korea Industrial Safety Association offers a comprehensive and innovative approach to smart safety management. By integrating web and mobile interfaces, the platform streamlines safety inspection processes, facilitates compliance with legal requirements, and promotes a proactive and systematic approach to workplace safety. Through its features such as collaborative partner management and safety education management, the SMSP enables companies to enhance safety practices, reduce administrative burdens, and foster a safer working environment.

Keywords: Smart My Safety Platform (SMSP), Industries safety, South Korea
