

Nomination: 8164

Artificial Intelligence Supported OHS Platform

Page: General Information

Provide information about the company to be considered for the award. If you will be nominating an individual, specify the nominee's employer.

Name of Organization/Company

Entek Elektrik

Additional Contacts

I do not wish to list additional contacts

Page: Entry Information

Entry Title

Artificial Intelligence Supported OHS Platform

Category

B01 - B64 Achievement > B37 - Achievement in Workplace Safety & Compliance

Achievement Submission Format

Written Answers

a. Briefly describe the nominated organization: its history and past performance (up to 200 words). Required

Entek Elektrik implemented the Intenseye AI-supported OHS platform to address critical workplace safety challenges and enhance compliance across its facilities. The primary need was to ensure continuous, 24/7 monitoring of work areas to detect unsafe situations and behaviors in real-time, leveraging existing CCTV infrastructure. Traditional safety protocols lacked the proactive and immediate response capabilities necessary for modern, high-risk environments such as hydroelectric and natural gas combined cycle power plants.

The AI platform enabled real-time violation notifications, significantly improving the speed and accuracy of identifying and mitigating risks. By integrating with the existing camera system, Intenseye provided detailed monitoring across 43 OHS rules in six categories, tailored to facility-specific danger points. This level of automation and precision was crucial for maintaining high safety standards and reducing the likelihood of accidents.

Furthermore, the system facilitated effective communication and action assignment through alarms sent via platform, email, and phone, ensuring timely intervention by facility employees, managers, and the OHS unit. Monthly reports and regular meetings enhanced accountability and continuous improvement, fostering a culture of safety.

Overall, the AI-supported OHS platform was essential for proactive risk management, regulatory compliance, and creating a safer, more responsive work environment at Entek Elektrik's facilities.

b. Outline the team's or organization's achievements since the beginning of 2022 that you wish to bring to the judges' attention (up to 250 words). Required

Enhanced Safety Monitoring: The organization now benefits from continuous, 24/7 monitoring of work areas, facilitated by the integration of Intenseye with existing CCTV infrastructure. This has resulted in a proactive approach to identifying and addressing unsafe situations and behaviors in real-time, significantly reducing the risk of accidents and injuries.

Improved Compliance: With the AI platform's support, Entek Elektrik has strengthened its adherence to over 43 OHS rules across six categories. Real-time violation notifications and automated communication channels have streamlined compliance procedures, ensuring that safety standards are consistently met across all facilities.

Swift Response Mechanisms: The implementation of Intenseye has enabled prompt response mechanisms to safety alarms, with relevant personnel quickly alerted via multiple communication channels. This swift intervention has minimized the duration of unsafe conditions and prevented potential hazards from escalating into accidents.

Data-Driven Decision Making: Monthly facility report cards and regular meetings have facilitated data-driven decision-making processes. These discussions allow for the evaluation of safety performance, identification of areas for improvement, and strategic planning to address emerging safety challenges effectively.

Cultural Shift towards Safety: Through workshops and collaborative efforts between facility management and OHS experts, Entek Elektrik has fostered a culture of safety awareness and accountability among employees. This cultural shift has led to increased engagement in safety initiatives and a collective commitment to maintaining a safe working environment.

Scalability and Continuous Improvement: With ongoing system improvements and regular meetings with the OHS team, Entek Elektrik has demonstrated its commitment to scalability and continuous improvement.

c. Explain why the achievements you have highlighted are unique or significant. If possible compare the achievements to the performance of other players in your industry and/or to the team's or organization's past performance (up to 250 words). Required

The achievements highlighted by Entek following implementation of Intenseye AI-supported OHS platform are significant for several reasons, reflecting a transformative impact on the organization's approach to workplace safety and compliance.

Firstly, the enhanced safety monitoring capabilities provided by Intenseye have fundamentally shifted Entek's safety paradigm from reactive to proactive. The ability to continuously monitor work areas in real-time, 24/7, means that potential hazards can be identified and addressed before they escalate into accidents or injuries. This proactive approach mitigates risks and also instills confidence among employees, fostering a culture of safety and well-being.

Secondly, the improvements in compliance facilitated by Intenseye are critical for ensuring that Entek maintains the highest standards of safety across all its facilities. Real-time violation notifications and automated communication channels streamline compliance procedures, reducing the likelihood of regulatory violations and associated penalties. This not only safeguards the organization's reputation but also demonstrates its commitment to meeting and exceeding regulatory requirements.

Moreover, the data-driven decision-making processes facilitated by Intenseye's monthly facility report cards and regular meetings empower Entek to continuously assess safety performance, identify trends, and implement targeted interventions for improvement. This iterative approach ensures that safety protocols remain dynamic and responsive to evolving risks, enhancing the organization's overall resilience and adaptability.

Overall, the achievements highlighted underscore Entek's commitment to prioritizing employee safety, fostering compliance, and leveraging technology to create safer and more resilient work environments. By embracing a proactive safety culture and leveraging AI-driven solutions, the organization sets a benchmark for excellence in workplace safety practices.

d. Reference any attachments of supporting materials throughout this nomination and how they provide evidence of the claims you have made in this nomination (up to 250 words). Optional

Throughout this nomination, several supporting documents have been referenced to provide evidence of the claims made regarding Entek Elektrik's achievements in workplace safety through the implementation of the Artificial Intelligence Supported OHS Platform.

The "Artificial Intelligence Supported OHS Platform Details" document outlines the specific needs addressed by the platform, the targets set for improvement, the process of implementation, the contents of the platform, and the achievements realized post-implementation. This document serves as a comprehensive overview of the project and validates the claims made regarding its success.

The "Intenseye Platform" document provides additional details about the features and functionalities of the Intenseye platform, including visual representations of the system in action. These visuals support the descriptions of real-time hazard detection, violation notifications, and compliance procedures discussed in the nomination. Also Intenseye videos added as links.

Finally, the "Artificial Intelligence Supported OHS Examples in Entek" document includes visuals from production areas within Entek Elektrik facilities, demonstrating the practical application of AI-supported OHS measures. These visuals serve as concrete evidence of the platform's effectiveness in identifying and mitigating safety risks in real-world settings.

Together, these documents provide comprehensive evidence of Entek Elektrik's achievements in workplace safety through the implementation of the Artificial Intelligence Supported OHS Platform. They validate the claims made in the nomination and demonstrate the tangible impact of the project on safety outcomes within the organization.

Webpage Link

<https://www.entekelektrik.com.tr/en/> (<https://www.entekelektrik.com.tr/en/>)

Would you like to add an additional webpage link?

Yes

Webpage Link 2

<https://www.intenseye.com/> (<https://www.intenseye.com/>)

Would you like to add an additional webpage link?

Yes

Webpage Link 3

<https://www.youtube.com/watch?v=KglAgfzkJYk> (<https://www.youtube.com/watch?v=KglAgfzkJYk>)

Would you like to add an additional webpage link?

Yes

Web Page Link 4

<https://www.youtube.com/watch?v=sQYded8UeJk> (<https://www.youtube.com/watch?v=sQYded8UeJk>)

Would you like to add an additional webpage link?

Yes

Web Page Link 5

https://www.youtube.com/watch?v=bz0pX_IPRQ0 (https://www.youtube.com/watch?v=bz0pX_IPRQ0)

Would you like to add an additional webpage link?

No

Supporting Document

Download File (<https://stevies-sage.secure-platform.com/file/20198/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRRpYUlkIjoyMDE5OCwiYWxsYXN0b3R0aWduZWRRVcmwiOiJGYWxzZSI6ImInbnm5SMX0piFm4pXVJjPifNWSSoWc?B37%20Achievement%20in%20Workplace%20Safety%20%26%20Compliance%20-%20Artificial%20Intelligence%20Supported%20OHS%20Platform%20Details.docx>)

Would you like to add an additional supporting document?

Yes

Supporting Document 2

Download File (<https://stevies-sage.secure-platform.com/file/20199/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRRpYUlkIjoyMDE5OSwiYWxsYXN0b3R0aWduZWRRVcmwiOiJGYWxzZSI6ImInbnm5B37%20Achievement%20in%20Workplace%20Safety%20%26%20Compliance%20-%20Intenseye%20Platform.pptx>)

Would you like to add an additional supporting document?

Yes

Supporting Document 3

Download File (https://stevies-sage.secure-platform.com/file/20200/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRRpYUlkIjoyMDIwMCwiYWxsYXN0b3R0aWduZWRRVcmwiOiJGYWxzZSI6ImInbnm5LtcLqYm5tzg9G_XUHiYckSqzI3U5H2I?B37%20Achievement%20in%20Workplace%20Safety%20%26%20Compliance%20-%20Artificial%20Intelligence%20Supported%20OHS%20Examples%20in%20Entek.pptx)

Would you like to add an additional supporting document?

No

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