Hazardous
Lighting Solutions LTD

BUSINESS CASE STUDY

Power Station

Business Background & Challenges Impact

A power station in North Wales faced challenges with outdated fluorescent luminaires: poor illumination and no emergency lighting for power outages. Hazlite proposed integrating their INS400LED luminaires with a Static Inverter System.

Key Challenges

Old fluorescent lights failed to meet standards and lacked emergency lighting, posing safety risks during outages. Additionally, temperatures up to 70°C required durable fixtures without sacrificing performance or safety.

The Solution

Hazlite assessed the situation and recommended INS400LED luminaires, designed for high-temperature environments with advanced thermal management. To address emergency needs, they proposed a Static Inverter System integrated with the luminaires, ensuring uninterrupted lighting during power failures. This solution combined energy-efficient LED technology with emergency provisions, offering a reliable lighting system.

Implementation

Implementation involved detailed planning and coordination. Hazlite's experts conducted site surveys to develop a customized lighting design. After approval, skilled technicians installed the INS400LED luminaires, ensuring optimal coverage, and seamlessly integrated

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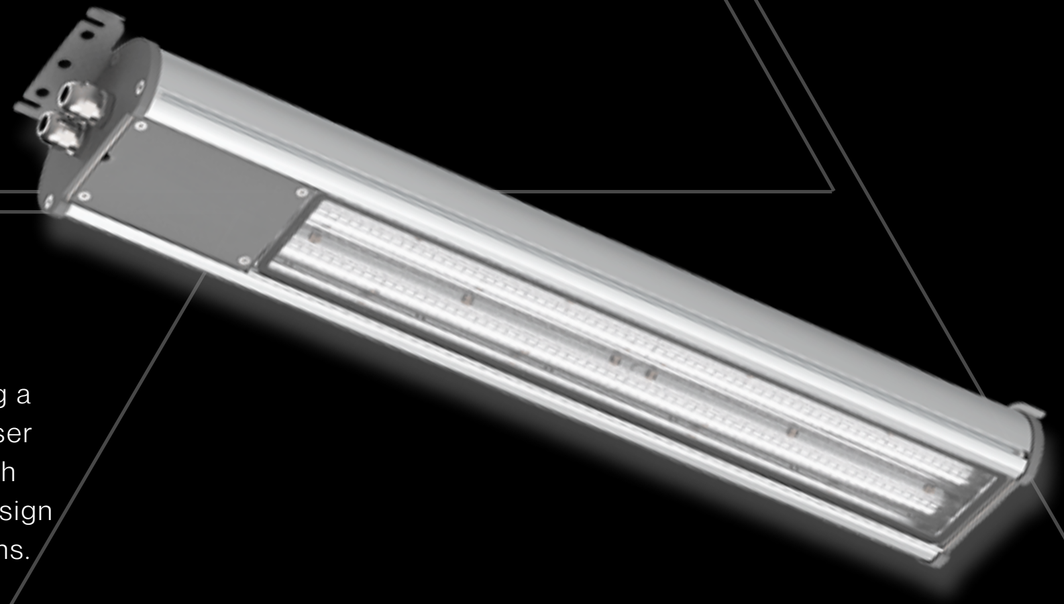
The Hazlite Solution

INS400LED



A robust, high-quality industrial LED luminaire designed for demanding environments, featuring a waterproof and dustproof construction with an anodized aluminium housing and multiple diffuser options. Available with advanced features including emergency backup, DALI control, Bluetooth connectivity, constant lumen output, and integrated motion and daylight sensors, its sealed design helps prevent the ingress and accumulation of dust and moisture in harsh industrial applications.

Improved Illumination: The INS400LED luminaires delivered superior illumination levels, enhancing visibility and safety across the site.

Enhanced Emergency Preparedness: With the integration of the Static Inverter System, the power station achieved comprehensive emergency lighting coverage, ensuring swift and safe evacuation procedures during unforeseen events.

Resilience to Extreme Conditions: The selected luminaires demonstrated exceptional resilience to the site's high ambient temperatures, maintaining performance and reliability even in challenging environments.

Sustainability: Hazlite's LED technology offered energy-efficient lighting solutions, contributing to reduced energy consumption and long-term cost savings for the power station.

Conclusion

Hazlite's successful implementation of integral emergency lighting solutions at the power station exemplifies the company's commitment to innovation, reliability, and safety. By leveraging advanced LED technology and tailored emergency provisions, Hazlite not only addressed the site's specific challenges but also provided a sustainable and future-proof lighting solution.

The power station can now operate with confidence, knowing that its lighting infrastructure is optimized for performance, resilience, and safety, even in the most demanding conditions.

This recognition serves as a testament to the successful application of innovative lighting solutions in creating a safer, more sustainable, and cost-efficient work environment.