CRANE
Safety AI

Event Gates Crane Safety AI is the transformative solution poised to redefine industrial safety protocols for crane operations. Within an environment fraught with risks including load swaying, drops, and potential collisions, this cutting-edge AI technology emerges as the ultimate safeguard. This AI innovation adeptly identifies individuals in close proximity to the load, promptly enacting proactive measures to suspend crane movement.

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RISK
ASSESSMENT

Swaying Loads

The transportation and lifting of large loads introduces the inherent risk of swaying. This swaying motion has the potential to result in a critical hazard, leading to the potential for serious injuries or even fatalities due to the risk of people being crushed by the moving load or its associated components.

Object Drops

Operating overhead cranes entails the significant risk of objects inadvertently dropping from height. The potential for objects to fall poses a grave danger, as it could result in severe injuries or fatalities for individuals situated below. The force of falling objects, combined with their weight and velocity, amplifies the potential harm. It is imperative to address this risk comprehensively to ensure the safety of personnel and the work environment.

SYSTEM
FEATURES

Person Detection

Our state-of-the-art object detection feature swiftly identifies individuals in the vicinity of the load and guarantees their safety with unmatched precision. Powered by our meticulously curated dataset and AI models, this feature revolutionizes safety in overhead crane operations. Elevate your crane operations through real-time awareness and enhanced security.

Crane Integration

Our versatile solution harmoniously interfaces with cranes, whether equipped with a PLC or not. Our system possesses the capability to avert movement or induce controlled deceleration across all three axes. Elevate your operations with the assurance that Event Gates Crane Safety AI is fully equipped to safeguard your workspace from every angle.

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