

How Artificial Intelligence Can Help Bolster Workplace Safety

Preventing workplace injuries and fatalities is crucial for organizations of all sizes and sectors. Without safety initiatives in place, organizations could experience increased incident rates, higher workers' compensation costs, reduced productivity levels and diminished staff morale. Fortunately, artificial intelligence (AI) has emerged as a valuable safety tool. Specifically, such technology can be utilized to accomplish the following initiatives:



Hazard recognition—

AI technology can help improve worksite visibility and call attention to hazardous situations before they cause injuries. Further, this technology can identify workplace patterns that could cause incidents going forward and outline steps to correct these concerns.



Employee training—

Implementing AI technology within workplace safety training can allow employees to experience realistic simulations of different hazards they may encounter in their roles and review proper responses in a controlled setting. Employees can also use this technology to obtain key information from workplace safety documentation and get answers to safety-related questions before starting a task.

Equipment maintenance —

Such technology can help assess workplace equipment for wear and tear or other types of damage and deliver notifications when it's time for maintenance or critical repairs, thus reducing the risk of such equipment malfunctioning and causing severe incidents and injuries.



Incident detection and reporting—

This technology can quickly identify when workplace incidents and injuries occur, paving the way for timely response measures and potentially improving recovery outcomes. Additionally, AI technology could help expedite incident reporting processes through the use of voice transcription features, as well as allow for more advanced data analyses to determine incident causes and prevent similar scenarios in the future.



Safety compliance—

Finally, AI technology can help bolster compliance with applicable workplace safety regulations, whether it's OSHA or industry-specific standards, by monitoring employees for noncompliant behaviors and ensuring worksite documentation meets all relevant requirements.

It's evident that AI technology can make all the difference in helping organizations improve their workplace safety initiatives and minimize potential incidents and injuries.

Contact us today for additional risk management solutions.

