

Spills and Blocked-Path Detection

SAFETY AND SECURITY

Warehouse | Distribution | Manufacturing

Objective

Identify potential hazards and traffic impediments before an accident occurs.

Challenge and Market

Potentially hazardous areas don't get reported until an injury has already occurred and video evidence is often difficult to find. The U.S. Department of Labor's Bureau of Labor Statistics reports 247,120 nonfatal cases involve falls, slips, and trips. This accounts for a substantial loss in production quality, increases in insurance cost, the need for continuous retraining, and other medical, legal, and travel expenses for the injured parties.

How It's Done Today

Today this challenge is mainly addressed by primitive methods — such as employee training — to create awareness and identify areas of risk, determine how to mitigate potential areas of threat, and/or enable employee observation and action. Additionally, standards and policies have been introduced to potentially mitigate the opportunity for some, but not all situations. Unfortunately, these methods are not always effective, as most of the time it is too late before discovering the slip, trip, or fall hazard.

How Technology Will Address the Challenge

With Hitachi Video Analytics and Hitachi Smart Cameras you can detect areas of risk in real time, which will prompt immediate notification for review as well as instant alerts of the hazardous situation and/or object sent to appropriate staff. With Hitachi's video software overlay over your existing video feed, we can identify a potential area of risk, such as a blocked path or spill hazard, before an injury occurs. All video footage is stored in digital archive, and with our case management system it will help track all evidence needed for review of the situation.

Solution

Hitachi Video Analytics, Hitachi Visualization Suite, Hitachi Smart Cameras, Customer's Existing Camera Infrastructure, Hitachi 3D LiDAR Sensor

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Smart Spaces and Lumada Video Insights

Benefits



Manage liability with data and video.



Implement safety improvements to ensure worker safety.



Mitigate slip, trip, or fall hazards before they create an issue.



Reduce number of slips and falls.



Proactively identify areas of future risk.

Learn More →

Smart Spaces are emerging all around us, becoming safer, more sustainable, and improving our experience, while driving efficiency.

