

Slip and Fall Detection

HITACHI
Inspire the Next



SAFETY AND SECURITY

Warehouse | Distribution | Manufacturing

Objective

Determine areas of risk, track and send alerts of incidents, and, when incidents happen, send alerts to prompt review.

Challenge and Market

The U.S. Department of Labor's Bureau of Labor Statistics reports 247,120 non-fatal cases involved falls, slips, and trips. Hazardous and unsafe areas do not always have fellow employees nearby to monitor them consistently, which would offer the opportunity to come to the aid of somebody who has fallen. Many industrial, warehouse and distribution facilities rely on "lone workers" to operate areas of their facility or the full facility. Unfortunately, it may be minutes to hours before an injured person has been noticed and proper staff are alerted.

How It's Done Today

Today, this challenge is mainly addressed by a variety of foundational methods, from employee training to creating awareness, as well as employee observations of a person who has slipped, tripped, or fallen on-site. CCTV cameras may also be in use, but, unfortunately, these methods are not always effective, as constant monitoring of the CCTV camera is required to observe a person who has slipped, tripped or fallen.

How Technology Will Address the Challenge

With Hitachi Video Analytics and Hitachi Smart Cameras, you can detect falls and injuries in real time, receive instant alerts of the injured individual, and immediately tag the incident for review. In some situations, with Hitachi software overlaying your existing video feed, we can identify a potential area of risk before an injury occurs, such as a blocked path or spills hazard. All video footage is stored in a digital archive, and with our case management system it will help track all the 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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HV-CBE-UC-Slip-Fall-Detection-Safety-Security-19Apr22-A

Smart Spaces and Lumada Video Insights

Benefits



Improve reaction time to fallen or injured employees.



Provide full-time safety monitoring of all employees in specific area.



Reduce number of understaffed teams and loss of production quality.



Immediately notify proper staff of fallen employees.

Learn More →

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

