



SAFETY AUTOMATION

 Cisco-Eagle
SAFETY

PEDESTRIAN-FORKLIFT SAFETY

www.cisco-eagle.com/safety

SAFER FORKLIFT OPERATIONS

PEOPLE AND INDUSTRIAL TRAFFIC DON'T MIX, BUT WE HAVE TO MAKE IT WORK.



Forklifts don't brake or steer all that well. Combine that with poor visibility and you can see how people who work near them can be endangered in the wrong circumstances. If a 'slow' forklift hits a pedestrian, the impact can be worse than being hit by a car at 20 miles an hour. The accidents are sometimes fatal, and usually cause serious injuries. Preventing these tragedies is the heart of what I do every day.

—Susan, Employee-Owner Since 2010
Safety Automation Group



FORKLIFT SAFETY IS OUR PASSION

Read white papers, articles and more

Check our website for exclusive white papers, reports, articles, videos and detailed forklift safety information.

www.cisco-eagle.com/whitepapers

Topics from forklift/pedestrian traffic management to return on investment.

www.cisco-eagle.com/blog/aislecop



PRINCIPLES

Eliminate mixed zones

Create areas that are "pedestrian-free" or "forklift-free" and strictly enforce those distinctions.

Minimize, shorten, re-route

Route pedestrian aisles in more protected areas. Shorten exposed areas; minimize number of crossings.

Erect physical barriers

Install guard rails, bollards, and other protective equipment to separate all traffic & pedestrian areas.

Enhance with automated and manual safety systems

Enhance danger zones & high-traffic areas with intelligent technologies.



EXCEPTIONAL SERVICE BY EMPLOYEE-OWNERS

Employee-owned companies are more productive and stable, and offer superior service. Our empowered employee-owners make all the difference—let us show you how.

COLLISION SENSORS & ALARMS

Visit www.cisco-eagle.com/sensors for dozens of sensor options, video and more

WAREHOUSE SENSORS SEE WHERE FORKLIFT DRIVERS AND PEDESTRIANS CAN'T—AROUND CORNERS, DOWN AISLES, INTO PARKED TRAILERS AND MORE



Warning sensors help increase situational awareness

Blind spots, corners and intersections can lead to serious accidents between forklifts and pedestrians. Intelligent warning sensors help increase pedestrian and driver awareness of oncoming traffic at dangerous intersections. By setting off bright, flashing lights, safety sensors help warn people before an accident can happen.

AUTOMATED SENSOR MIRRORS AND SIGNS INCREASE AWARENESS

www.cisco-eagle.com/alertsafety



Intelligent warning mirrors

These mirrors have internal microwave sensors and LED warning messages that flash to help alert workers. Choose dome and convex styles with a variety of messages and arrow indicators.

Automated signs

When sensors detect an object, they trigger special caution signs with directional arrows or strobe lights to warn workers and pedestrians.



SENSORS HELP PEOPLE MAKE BETTER DECISIONS

Sensors can be targeted at problematic areas, such as rack aisles, docks, pass-throughs, corners, traffic aisles and entryways—anywhere people and forklifts interact.

- Create awareness of oncoming traffic in hazardous areas
- Scan in 2, 3 or 4 directions
- Trigger bright, flashing lights to alert drivers and pedestrians; audio alerts available for some sensors
- Can be ordered with power cords or wired to facility power
- Mount on rack uprights, ceilings, walls, corners or other places to monitor for movement and alert people of potential danger



AISLECOP® FORKLIFT SAFETY

AISLECOP® DETECTS TRAFFIC AND MANAGES DANGEROUS INTERSECTIONS



Visit www.cisco-eagle.com/aislecop for specs, details and resources

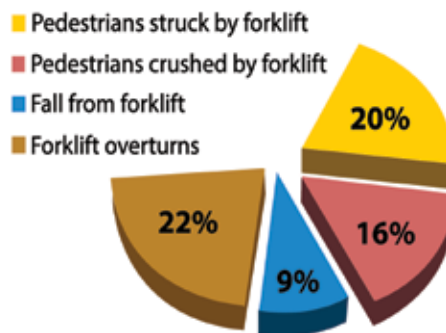
Forklifts are dangerous—especially to pedestrians

According to the Department of Labor, forklifts kill someone every three days and seriously injure many more every year. A high percentage of these accidents are pedestrian-related. AisleCop® helps manage and separate forklifts and pedestrians at critical points.

Don't wait for tragedy

AisleCop® makes intersections, blind/limited-visibility corners, entry doors and busy forklift aisles safer for workers on foot by controlling traffic flow. Work cells and docks are ideal for AisleCop® but any crossing or entry point can benefit.

Pedestrians in Peril



How it works

The highly configurable system manages traffic in conjunction with your traffic management, training and safety plans. You decide default gate positions, timing and traffic rules.

AisleCop® uses precision motion detection and intelligent controls to manage crossings. If forklifts are present when a pedestrian wants to cross, the gates won't open; if the aisle is clear, the system deploys warning lights and audible alarms before opening. Once pedestrians are clear, the gates close behind.

You can also reverse this, and restrict forklifts by default, depending on your traffic patterns and needs.

Activation systems

AisleCop® systems operate based on motion detection, but can utilize alternative methods. Specify activation systems and configurations to suit your facility layout, traffic flow and application.



It's tricky to balance production and safety, but we can help you do it. I help managers find solutions that work within, not against, their existing processes

to protect people from forklift collisions. We can help you automate forklift-pedestrian interactions in ways that don't reduce productivity, but still prioritize safety.

—Markus, Employee-Owner Since 2013
Safety Automation Group



Limitless configurations for any application

AisleCop® is configurable from standard components. Multiple gates can be synchronized in a wide array of applications:

- High-traffic crossing points
- Blind corners or low-visibility intersections
- Work cells and production machinery
- Loading docks and staging areas
- Facility entry/exit points
- Synchronized multiple gate applications tied to production machinery, high-speed doors and other equipment

OPTIONS & ADDITIONS

These systems are highly configurable and feature intelligent controls that work with multiple devices and interfaces.

- Wireless operation: multiple-gate synchronization
- Alternate interfaces: pressure mats, buttons, pull cords, in-ground loops
- AisleCop® synchronizes with high-speed overhead doors
- Link to alarm systems: when a fire or other emergency alarm is activated, AisleCop® gates can open to allow free movement
- Card reader integration: the gate reads magnetic strip identification cards to control access to specific work areas



SENSORS & ALERT SYSTEMS

AISLEALERT INTELLIGENT WARNING SYSTEMS DETECT POTENTIAL COLLISIONS

Visit www.cisco-eagle.com/flooralert for videos, specs and more



SYSTEM DETAILS

- Hanging sensor module covers an intersection or crossing point
- Includes adjustable motion sensors—2, 3 or 4 directions. 26' range. Can be mounted separately
- Light strips mounted on the module for enhanced visibility
- Tested prior to shipment
- Can be integrated with other safety automation systems

Automated detection with astonishingly visible flashing floor light

Ceiling-mounted motion detection systems flash a warning light on the floor when traffic approaches from at least two directions. When the light is active, all traffic should proceed with caution. The system engages only for converging traffic to reduce false positives and increase worker confidence. Once traffic has cleared the intersection, the warning light automatically deactivates.



False positives will lead people to ignore warnings. Don't let your sensors become a 'chicken little' that people ignore. That's why we built AisleAlert with the most accurate sensors and controllers, which activate only when there is converging movement from at least two directions. Because we're safety specialists, we can help you design a safety plan that helps tie together all of your systems and processes.



—Armando, Employee-Owner Since 2014
Safety Automation Group



AISLEALERT TRAFFIC LIGHT SYSTEMS MANAGE PEOPLE AND FORKLIFTS



Help make 4-way intersections safer with intelligent traffic light systems that detect motion and change lights from red to green based on your traffic management priorities. Ceiling-hung sensor module detects motion and triggers a predetermined light sequence. Lights are mounted on pedestals at heights forklift drivers and pedestrians can easily see.

Visit www.cisco-eagle.com/trafficlight for extensive information

DOCKRIGHT LASER LINE PROJECTORS



When used outdoors, DockRight creates guiding assistance to drivers backing up to bay doors by projecting bright red or green laser lines. Super bright, solid lines remain visible above snow, dirt or debris that would normally cover up painted dock striping. Systems can also be used indoors.

LIGHTCOP SIGN PROJECTOR SYSTEM

LightCop helps reduce forklift accidents by projecting a high-resolution LED image to floors and walkways—a great visual warning in loud operations where people might not hear traffic or backup alarms.

The LED provides up to 45,000 hours of use and replaces the need for solutions like floor tape or paint that can peel, chip or wear away.

LightCop includes the projector, mounting hardware and the glass projection disc that reads "CAUTION FORKLIFT TRAFFIC."



ZONESAFE 360° WARNING

Visit www.cisco-eagle.com/zonesafe



Fixed sensors help prevent forklift/pedestrian accidents at fixed locations like rack corners or intersections, but aren't practical for every area or situation. ZoneSafe is ideal for places where you can't hang sensors or install gates. People wear transponder tags that warn nearby forklift drivers of their presence. It works anywhere in a facility without installing anything in the building.

—Blake, Employee-Owner Since 2021
Account Executive 2/18/202

shop **talk**



ZONESAFE APPLICATIONS

- Pedestrian protection: pedestrians wear tags that activate the system, triggering audiovisual alarms
- Walkway alerts: warn at intersections
- Asset protection: safety cone transponders alert drivers
- Vehicle access control: gates restrict all vehicles except those with authorized transponder tags



ZoneSafe® detects collisions, then warns both pedestrian and driver

ZoneSafe® uses identification and detection technologies, audible alarms and flashing lights to help protect pedestrians from forklift accidents. This RFID-based system creates a 360° detection zone around equipped vehicles and alerts drivers when a pedestrian is detected. ZoneSafe® can also activate warning lights on walls, guardrail, bollards or other fixed locations.

