

# ICS Intersection Cross-traffic System...

Attach Your  
Business Card Here

## Facts

- Approximately every 3 days, someone in the US is killed in a forklift related accident (BLS)
- Almost 80% of forklift accidents involve a pedestrian
- 18.8% of forklift accidents occur when a forklift strikes a pedestrian
- Each year, an additional 94,750 injuries related to forklift accidents are reported
- One in six of all workplace fatalities in this country are forklift related
- \$135,000,000 immediate costs incurred due to forklift accidents
- According to OSHA, approximately 70% of all accidents reported could have been avoided with proper safety

## Description

The ICS increases plant safety by alerting pedestrians when forklift traffic is approaching, creating safer walkways and positive work environments.

The ICS also assists forklift drivers to locate intersections, allowing them to reduce speed and take precautions when entering the safety zone. The system can sense vehicles separately from pedestrians in busy aisle ways, between narrow rack aisles and can be customized to address specific areas of concern.

### Multiple Alarms

- Strobe lighted signs
- 26" mirrored dome
- Audible alarm self adjusting to environmental noise

### Versatility

- Senses vehicles up to 80' away
- Protects 1 to 4 aisles per system
- Senses vehicles separately from pedestrians

### Minimal Installation

- Self contained system
- 120 volt / 15 amp / single phase power

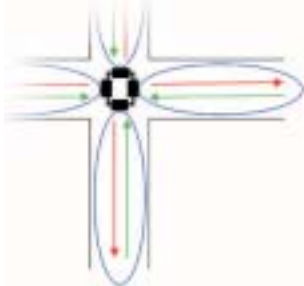


## Functionality

OSHA recognizes hazards with powered industrial forklifts.

One of the most useful pieces of equipment in today's plant environment can be one of the most dangerous. Every day workers are injured when forklifts overturn, lose materials and strike pedestrians. Although OSHA's powered industrial forklift training has helped to reduce accidents, it does not guarantee pedestrian awareness in intersections. The ICS helps to reduce the incidences of forklift collisions with plant employees.

When used in conjunction with an overall forklift safety program, the ICS can help reduce management costs without relying solely on forklift operators, supervisors and pedestrians.



The Intersection Cross-traffic System was developed to address the daily hazards of people working with and around powered industrial forklifts. The ICS is typically installed over busy facility forklift intersections that also include pedestrian crossings. The ICS's microwave sensors detect only vehicle traffic in the sensing area. Once detected, the controls lock in as long as the forklift is moving toward the center of the intersection. The audible and visual alarms are engaged until the vehicle has fully passed through the intersection. The system automatically resets and awaits the next forklift.

As a result, pedestrians and other forklifts are alerted to oncoming traffic so they can react in a timely manner and avoid contact with the moving forklifts and its load.

- microwave sensor field
- driving direction detected vehicle
- driving direction undetected vehicle

## Accessories

- The Reglobeam remote control unit allows you to program the Herkules easily and conveniently from floor level. Data transfer between the Reglobeam and the Herkules takes place in both directions and are displayed so that they can be checked.
- Additional alerts can be interconnected to the main system, expanding the safety zone. At this time we offer a smaller illuminated sign with a forklift or a pedestrian.
- The Merkur Microwave sensor unit allows detecting pedestrians and warning i.e. forklift drivers of people coming out of a door into an aisle where forklifts are working.



small sign forklift



small sign pedestrian



vehicle sensor



pedestrian sensor



remote control