



# LSA LOW SPEED AREA

PRODUCT OVERVIEW



PROTECTING PEOPLE, PROPERTY, AND PROCESSES.

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Troax is a global developer and manufacturer of safety solutions for Machine Guarding, Warehouse Partitioning and Property Protection. This brochure presents our warehouse solutions in Active Safety, which employs advanced technologies to proactively detect and address potential hazards in real-time. It promotes safety awareness and prevents accidents when physical barriers are not suitable. Our products offer modularity and adaptability, enabling seamless integration of various applications. This means you can easily mix and match different functions to suit your specific needs. Read more about our systems at [www.troax.com](http://www.troax.com)

# LSA SOLUTION

**FOR MORE THAN 60 YEARS WE HAVE BEEN DEVELOPING INNOVATIVE SOLUTIONS FOR MACHINE GUARDING, WAREHOUSE PARTITIONING, AND PROPERTY PROTECTION. TODAY WE ARE THE MARKET LEADER, AND OUR PRODUCTS CAN BE FOUND ALL OVER THE WORLD – PROTECTING PEOPLE, PROPERTY AND PROCESSES.**

# THIS IS TROAX

TROAX IS REPRESENTED IN MORE THAN 40 COUNTRIES AND HAS 24 SALES COMPANIES OF ITS OWN. WE AIM TO STRENGTHEN OUR POSITION WORLDWIDE AND EXPAND OUR BUSINESS ON EACH CONTINENT.



At Troax, we have a rich history of protecting people, property and processes. Since 1955, we have been at the forefront of developing safety solutions with a drive to maintain innovative and top quality products. We have consistently built the organization and produced innovative products to lead the global market in delivering solutions to enhance protection and security. Our culture of protecting what's important has driven our organization forward.

- MAKING YOUR WORLD SAFE
- MARKET LEADING
- GLOBAL DISTRIBUTORS

# WHAT IS ACTIVE SAFETY?

In workplace safety, two key strategies emerge:

**Active Safety** employs advanced technologies to proactively detect and address potential hazards in real-time. It promotes safety awareness and prevents accidents when physical barriers are not suitable.

**Passive Safety** uses physical barriers and safeguards to separate employees from hazards. These static protections, like guardrails, offer a physical shield where they are applicable.

By combining Active and Passive Safety, companies create tailored safety approaches for a secure work environment.

**Our approach is built upon 4 main pillars:**



## SAVING LIVES

The ultimate goal of our products is to save lives. By investing in these systems, companies can protect their workforce from serious harm and create a workplace where employees can feel secure and confident in their personal safety.



## REDUCING ACCIDENTS

By implementing our active safety solutions, companies can significantly reduce the risk of accidents. These systems provide real-time alerts and warnings, helping to prevent collisions and incidents that can lead to injuries or damage.



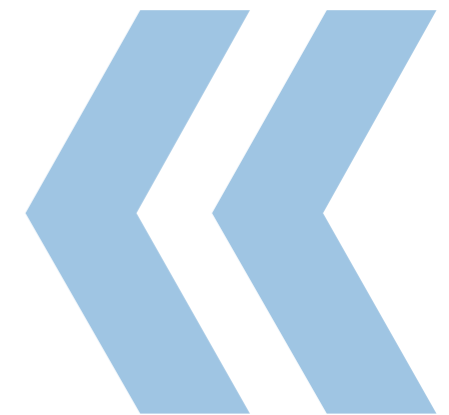
## ENHANCING WORKPLACE SAFETY

Our active safety products are purpose-built to enhance safety in the workplace. They employ cutting-edge technology to identify and mitigate potential hazards, creating a safer environment for all employees.



## FOSTERING A SAFETY CULTURE

Our solutions foster a culture of safety awareness and prevention. They encourage employees to be more vigilant and proactive in identifying and avoiding risks, ultimately reducing the likelihood of accidents.



# DESCRIPTION

In any environment where forklifts circulate at high speeds while interacting with pedestrians, dangerous situations with a potential for accidents may arise.

The LSA system is designed to reduce vehicles' speed in pedestrian areas, creating safer and more efficient work environments.

It automatically detects which area the forklift is in, and it acts immediately by activating a speed limit signal.

It can easily be complemented by adding other safety systems.

The LSA equipment allow to limit the forklift speed circulating in different areas of the warehouse



↑ The LSA Solution is marketed as a KIT and is easy to install

# HOW DOES IT WORK?

The LSA solution works on two devices.

The forklift must have a sensor installed on its upper part.

A mount with reflective strips will be located on the gates of the different areas where we want to limit the speed.

As soon as the forklift enters one of these areas, the sensor reads the code of the reflective strips and it automatically activates a speed limit signal on the forklift.



# SYSTEM COMPONENTS



**Control Unit**

It's installed on the forklift and it's responsible for managing the speed change of the work vehicle. When the forklift drives under the reflecting panel, the detection sensors decode the zone change and the control unit assigns the corresponding speed in that space.



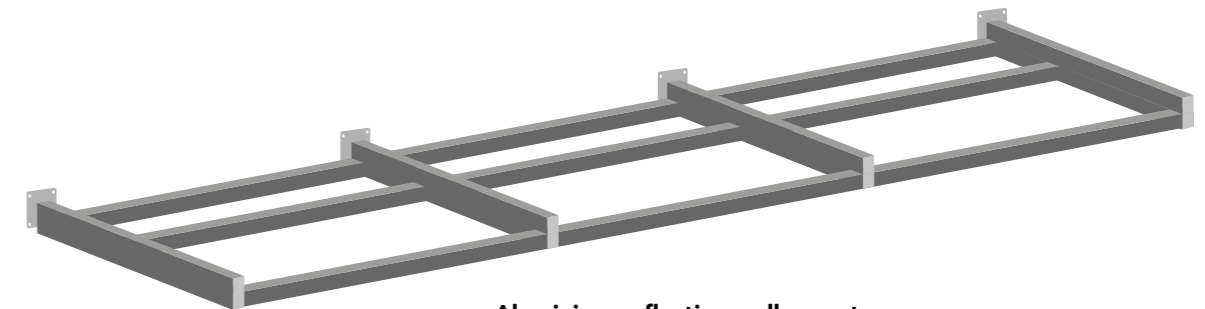
**Code Sensor**

Code sensors detect the reflective bands and send a signal to the control unit which acts with the gear change.

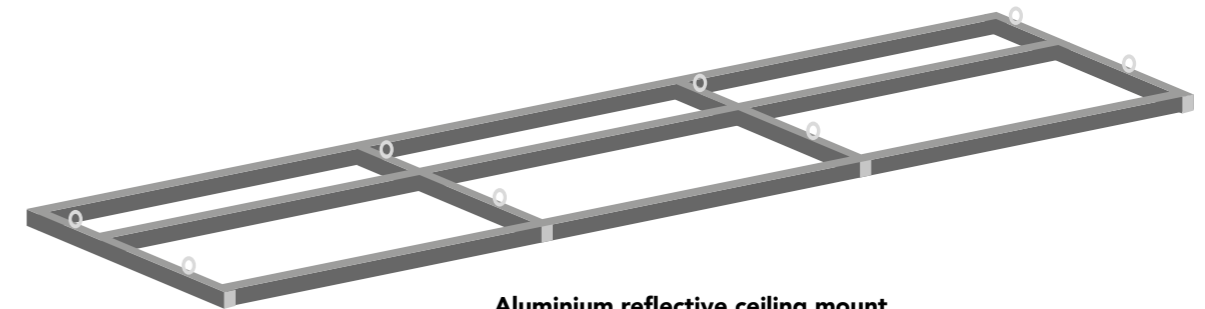


**Reflective Tapes**

Reflective tapes are placed over the gates or in speed change zones. These assign the corresponding speed change of the zone to the forklift.



**Aluminium reflective wall mount**



**Aluminium reflective ceiling mount**

**Aluminium reflective mounts**

The aluminium reflective mounts allow the reflective tapes to be adapted to the walls or ceilings.

# AREAS OF APPLICATION

- High traffic forklift areas.
- Industrial spaces.
- Loading and unloading areas and bays.
- Warehouse corridors exit where reduced speed applies.
- And in general, in any area where forklifts and pedestrians coexist, and where high speed creates potential environments for accidents.

# BENEFITS OF THE LSA

- It reduces crashes and accidents.
- It can identify different rooms.
- It easily complements other safety systems.
- Adaptable to any brand forklift.
- Durable and robust components.
- Low speed areas can be determined inside the warehouse.

# SAFEYU

## MAKING LOGISTICS SAFER AND SMOOTHER

SafeYu is a modern, practical, and powerful cloud-solution designed for logistics companies to enhance worker safety and minimize risks. Our range of products records all activities, which can be conveniently monitored through the SafeYu platform helping you make smart decisions.

## INSIGHTS MADE CLEAR

The platform's shows helpful graphs that break down things like accidents, potential problems, and device status. It gives you overview and statistics to be able to identify risk areas in your locations as well as much other information you can register on doors. Creating your own safety scoreboard, for example!



# COMPLETE WAREHOUSE SOLUTIONS

## ACTIVE SAFETY IN YOUR WAREHOUSE

Our active safety products are purpose-built to enhance safety in the workplace. They employ cutting-edge technology to identify and mitigate potential hazards, creating a safer environment for all employees. Keeping a warehouse safe is a multifaceted

effort that requires continuous attention to training, equipment maintenance, proper organization, and comprehensive safety measures. Equipment maintenance is another crucial aspect. Regular inspections and upkeep of machinery, forklifts, and storage racks prevent accidents caused by malfunctioning equipment.



→ BLIND SPOT



→ VISUAL ALERT SYSTEM



→ PEDESTRIAN ALERT SYSTEM



→ NARROW AISLE SAFETY



→ COLLISION AVOIDANCE SYSTEM



→ CROSSING GUARD SYSTEM



→ TRUCK DOCKING SYSTEM



→ LOW SPEED AREA



→ TRAFFIC CONTROL SYSTEM



→ PEDESTRIAN CROSS SAFETY

**A SAFER TOMORROW**  
**■ SINCE 1955 →**

**TROAX®**