

# TCS TRAFFIC CONTROL SYSTEM

PRODUCT OVERVIEW

PROTECTING PEOPLE, PROPERTY, AND PROCESSES.



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Troax is a global developer and manufacturer of steel mesh panels for Machine Guarding, Warehouse Partitioning and Property Protection. This brochure presents our solutions for the market segment Warehouse Partitioning. Our business concept is to develop innovative steel mesh panel solutions to protect people, property and processes. Our lightweight but strong mesh panels can be combined into unique solutions and are built to withstand the toughest tests and environments. Read more about our systems at [www.troax.com](http://www.troax.com)

# TCS SOLUTIONS

**FOR MORE THAN 65 YEARS WE HAVE BEEN DEVELOPING INNOVATIVE STEEL MESH PANEL 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



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 organisation 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 organisation 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 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:**



## 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.



## 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 safety.



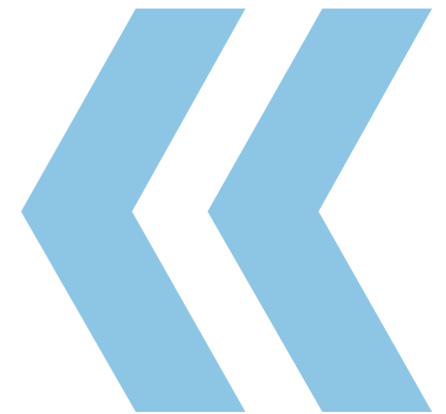
## ENHANCING WORKPLACE SAFETY

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

The **Traffic Control System (TCS)** is a comprehensive system designed to effectively manage traffic in areas with constant forklift circulation.

This system is responsible for continuously managing the right-of-way for both vehicles and pedestrians.

To fulfill this purpose, several prominent solutions have been developed.



# SOLUTIONS EXAMPLES



**The Crossing VAS** projects a pedestrian crossing signal on the ground to alert both pedestrians and forklifts about potentially dangerous areas, such as blind exits.



**PSG Gate**  
The basic PSG gate manages the priority of access blocking the pass.



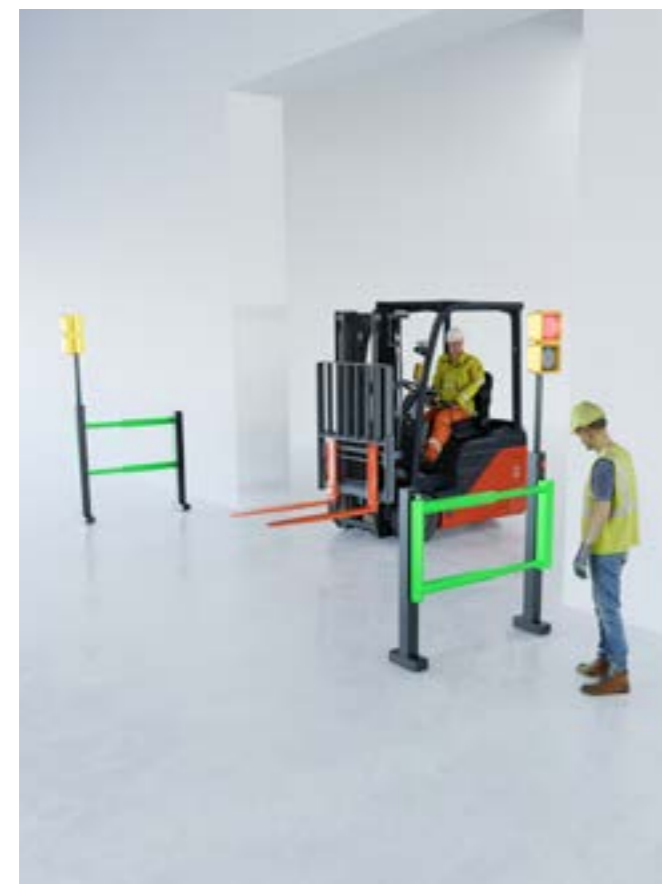
**The VSG Virtual Safety Gate** projects a virtual line that divides different areas. If it detects someone crossing this boundary without authorization, it emits an acoustic signal to warn those nearby.

# HOW DOES IT WORK?

Each of these solutions is designed to regulate traffic in areas where forklifts and pedestrians coexist in one way or another.

Its main function is to alert drivers and individuals working in high-traffic areas through visual and auditory signals, regulating right of way with traffic lights or projected signals and thus preventing collisions.

There are also solutions responsible for managing access to restricted areas for authorized personnel and blocking access in case of detecting a collision risk between vehicles or people.



Each of these solutions aims to ensure safe traffic control in high-density traffic areas.



# AREAS OF APPLICATION

- Highly trafficked forklift areas.
- Industrial spaces.
- Warehouse corridors.
- Low visibility areas.
- In any area where forklifts and pedestrians co-exist.

# BENEFITS OF THE TCS

- Reduces risk of accidents.
- No need for direct actions.
- It easily complements other safety systems.
- Durable and robust components.
- Manages right of way protocols.

## SAFEYU

### MAKING LOGISTICS SAFER AND SMOOTHER

Safeyu is a modern, practical, and powerful cloud-solution designed for logistics companies to enhance worker safety and minimise 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 Safeyu platform shows helpful graphs that breaks down things like accidents, potential problems, and device status. It gives you an overview and valuable statistics that will enable you to identify risk areas within your location. It also gives you information on door and gate traffic and pedestrian identification. In short, it provides you with a safety scoreboard that will ultimately help you craft the ideal safety strategy.



# 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 prevents 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®**