



 **SYSTEM**

**AI-BASED  
INDUSTRIAL WORK SAFETY  
AND TRAFFIC CONTROL SYSTEM**



## DANGEROUS INTERSECTIONS

The system ensures safe traffic at dangerous intersections by warning of collision risks or directing traffic according to the customer's traffic rules.



## GATEWAYS

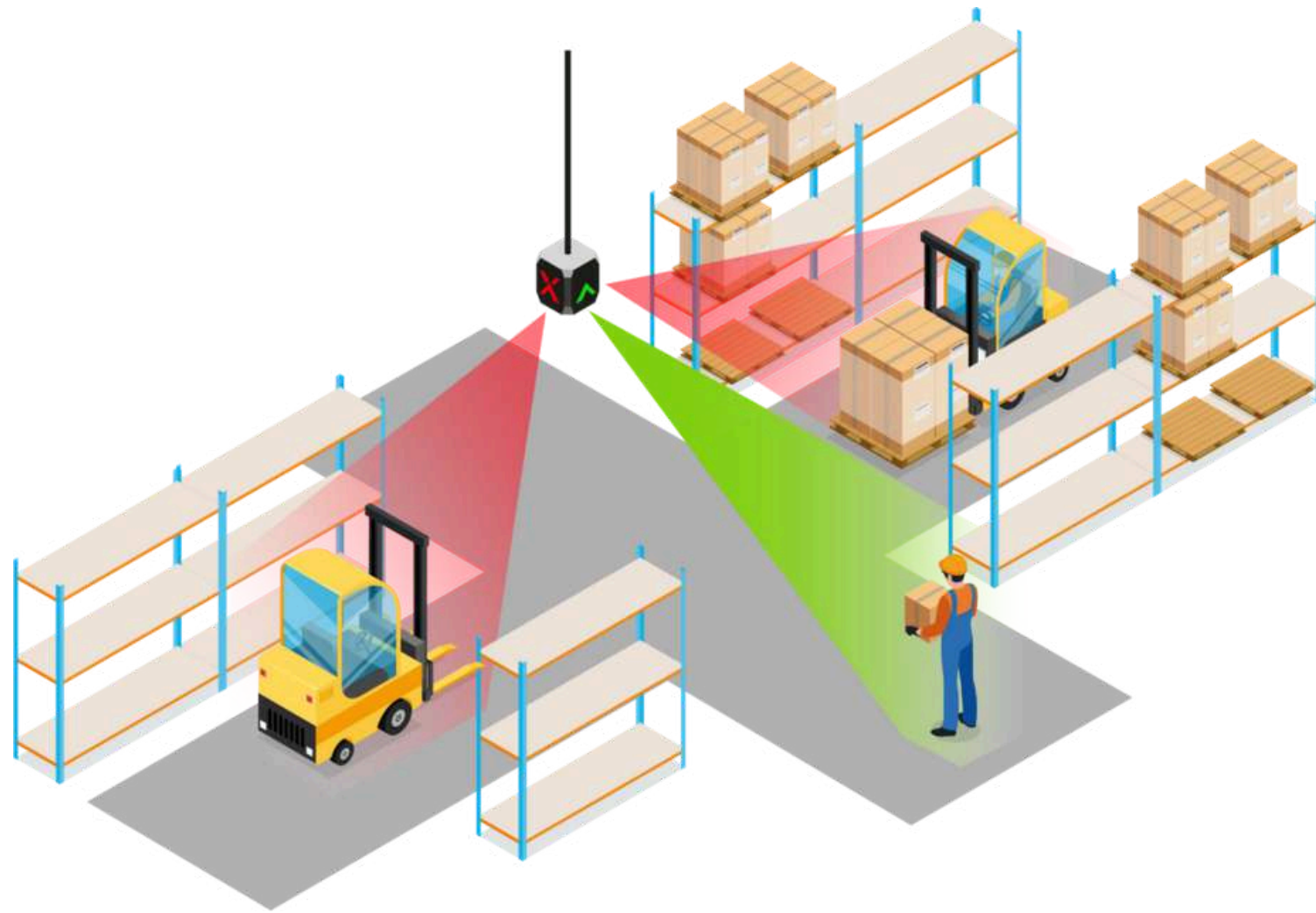
The system makes forklift and pedestrian traffic safe at gate entrances by detecting traffic around the gate. It warns of collision risks when necessary but does not intervene if passing is safe.



## PEDESTRIAN CROSSINGS

The system makes pedestrian crossings safe by alerting pedestrians to incoming forklifts or alerting forklifts to incoming pedestrians according to set priority rules.

# AREAS OF USE



# TECHNOLOGY IS THE KEY

The AI-based system considers the type, direction, and speed of moving vehicles or humans to ensure reliable operation.



## CAMERA-BASED DETECTION

The system's cameras detect forklift and pedestrian traffic flow and analyze it in real time.



## CUSTOMIZABLE OPERATION

Various audible alarms, visual signals, and other safety devices can be connected to the system and controlled individually.



## LOCAL OPERATION

There is no need for internet connection for operation. No personal data is collected, stored or transmitted during operation.

# COMPACT SYSTEM FOR COMMON LAYOUTS

This all in one solution contains all necessary modules for operation. Suited for the most common situations that you can find in factories or warehouses.

## BUILT-IN LED LIGHTS

They give directions to the traffic participants using red and green colors.

## BUILT-IN SOUNDER

It increases perceptibility with a sound signal of adjustable volume.



## COMPUTE MODULE

The onboard compute module is responsible for local AI processing and communication with the other modules.

## INTEGRATED CAMERAS

They scan the environment in four directions and monitor the traffic in real time.

# MODULAR SYSTEM FOR COMPLEX ISSUES

The system modules can be installed independently, making it suitable for special environments and complex situations.

## EXTERNAL LED LIGHTS

They give directions to the traffic participants using red and green colors, with built-in sounder.

## EXTERNAL SOUNDER

It increases perceptibility with a sound signal of adjustable volume.



## EXTERNAL IP CAMERAS

Up to five cameras scan the environment and monitor the traffic in real time.

## COMPUTE MODULE

The compute module is connected to the other components via cables.

## OTHER ACCESSORIES

They increase visibility with floor-projected signs or direct traffic with traffic lights.

# RECOMMENDED USE CASES



## COMPACT

Suitable for **common** layouts such as:



### INTERSECTIONS

Both collision prevention and traffic control functionalities are supported. Perceptibility can be enhanced with additional connected accessories.



### PEDESTRIAN CROSSINGS

Priority can be assigned to either pedestrians or forklifts.



## MODULAR

Suitable for **complex** layouts such as:



### GATEWAYS

The number of cameras and choice of accessories can be scaled to fit the site's requirements.



### UNIQUE CASES

Multiple purposes can be served at various types of intersections.



## CONVENIENT

No need for wearables or forklift modifications. The system can be easily configured and later modified, even remotely, ensuring adaptability.



## MODULAR

Find the most suitable configuration for every situation to increase safety or efficiency in traffic.



## RELIABLE

Prevent frequent false or unnecessary signals common to typical sensor-based systems with the aid of artificial intelligence.

# WHY CHOOSE AX SYSTEM

„You install it and it works right away. Simple as that!“

TRUSTED BY

Schneider  
Electric



BOSCH



MARS



HBPO  
PLASTIC OMNIUM MODULES



ADIANT

Coca-Cola

LEGO

Endress+Hauser  
People for Process Automation



# ABOUT SAFETY LOGISTICS

Our company is the European Union-based developer and manufacturer of AX SYSTEM.

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*"AX SYSTEM is simple, reliable, cool."*

