

Watch **out!**

VIRTUAL SIGN PROJECTION SYSTEM

A sign made of light — it appears exactly where and when it is needed. It does not wear off, does not fade, and its content changes in seconds.

DESIGN

MANUFACTURE

INSTALLATION

SERVICE

PROBLEM

Floor markings wear out faster than **the layout changes**

Paint and floor decals

They wear away under forklift wheels, get dirty and need renewing. Changing the traffic layout means stripping, repainting and closing the area to traffic.

Fixed boards and hanging signs

They hang in one place and say the same thing whether or not a hazard is present. After a few weeks people stop noticing them.

Watch out!

An image cast by an LED projector — bright, legible and controllable. It replaces both, and its content changes without touching the floor.

FOUR REASONS

Why a **sign made of light**

- | | | | |
|--|---|---|--|
| 01
Visible whatever the floor looks like
A bright, sharp sign even where the floor is dusty, wet or obstructed. No worn-through or scraped-off markings. | 02
A warning only when it is needed
Triggered by a motion sensor, radar, LiDAR or a door reed switch. It can pulse, so it never becomes background. | 03
New content without construction work
A new traffic layout means swapping the gobo, not chiselling and repainting. Any sign, text or logo. | 04
A message that cannot be missed
Light works where sound fails: in a noisy plant, under hearing protection and for people who are hard of hearing. |
|--|---|---|--|



COMPARISON

What changes in the cost calculation

CRITERION	PAINT / DECALS	WATCH OUT!
Durability of the marking	Wears away under forklift traffic	An image of light – it does not wear out
Change of content or layout	Stripping, repainting, downtime	Gobo swap, no downtime
Response to a hazard	None – the sign always looks the same	Switches on from a sensor signal
Visibility when soiled	Drops as the floor gets dirty	Independent of the floor's condition
Maintenance cost	Markings renewed on a cycle	Limited to servicing the equipment

From a single sign to a controlled zone

CONFIGURATION I

Fixed sign

A single projector running continuously — the wear-free equivalent of a painted marking.

- One projector, one sign
- Any graphic and text
- Floor, wall or door
- No control system

CONFIGURATION II

Sign rotation

One projector cycles through up to 7 graphics, one after another.

- Up to 7 signs from one unit
- Order changed by remote
- Several messages in one spot
- Fewer units

CONFIGURATION III

Virtual zebra crossing

Two projectors with a controller and sensors, switching the sign automatically.

- 2 projectors + controller
- Crossing ↔ no crossing
- Traffic priority to be agreed
- Works with door automation

CONFIGURATION IV

Controlled zone

Any number of projectors and sensors, integrated with the plant's infrastructure.

- Radars, LiDARs, reed switches
- Light and sound signalling
- Signals from doors, ramps, lifts
- Multi-zone scenarios

OUR BESTSELLER · CONFIGURATION III

Virtual zebra crossing

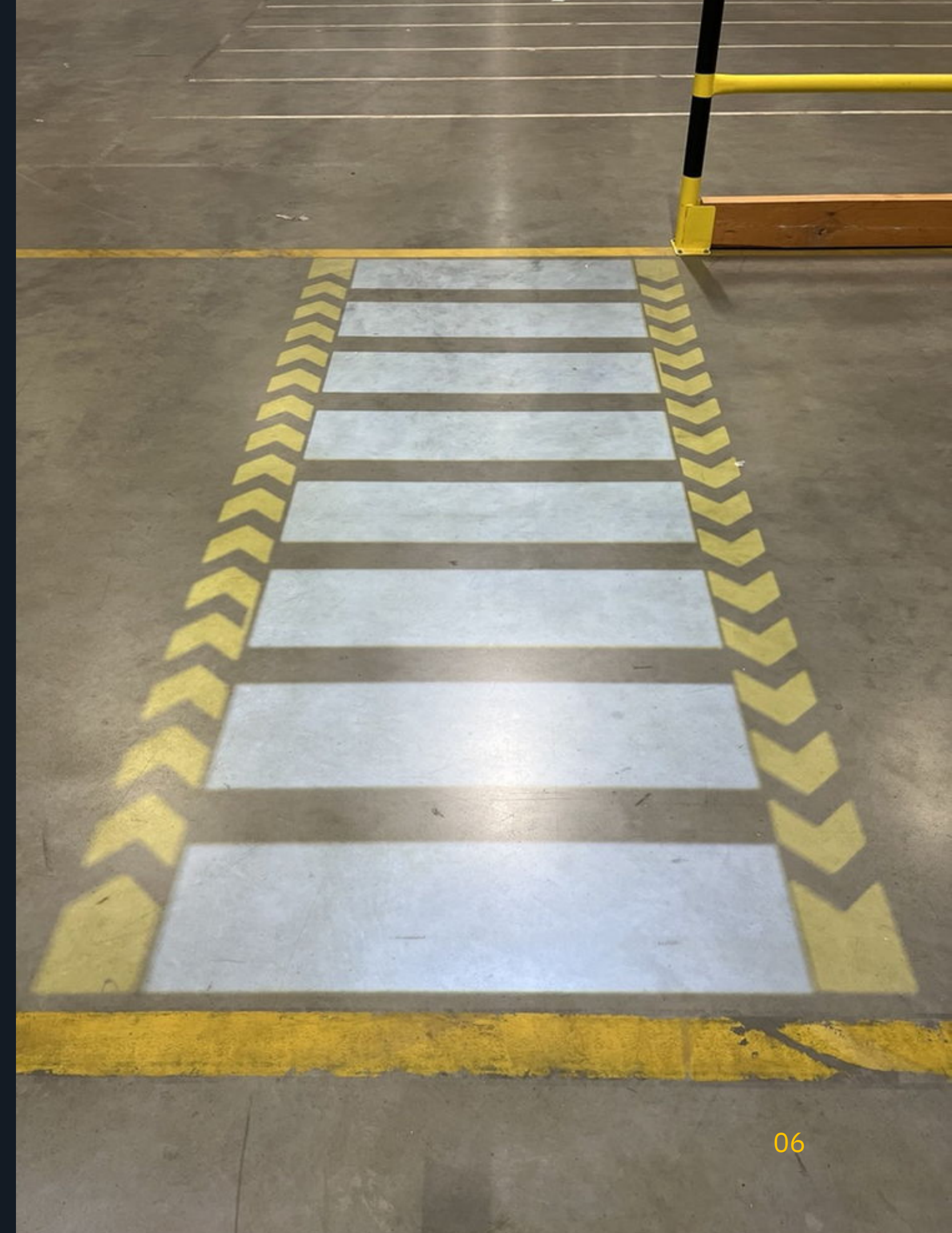
A set of two projectors with built-in automation and sensors. It automatically switches the pedestrian-crossing sign to a no-crossing sign when a forklift approaches or a door opens.

- The pedestrian sees the crossing while the route is clear

- A sensor detects a forklift — the sign changes to no crossing

- After the vehicle passes, the system returns to its initial state

Ideal at high-speed doors, forklift crossings and in particularly hazardous places.



TECHNICAL DATA

Projektor

PARAMETER	VALUE
Light source	High-power LED
Image carrier	Gobo insert – interchangeable graphic
Number of graphics	1, or up to 7 in cyclic rotation
Colours	Any sign or logo, any number of colours
Adjustment	Focus, frame rotation, bracket angle
Projection direction	Floor, wall, door, vertical surface
Local control	Remote – graphic selection and order
Ingress protection	IP65 – indoor and outdoor versions



Aluminium housing with a passive heat sink, adjustable mounting bracket included, remote control for switching graphics in the rotation configuration.

PROJECTOR SELECTION

Four sizes, one controller

PARAMETER	WATCH OUT! S	WATCH OUT! M	WATCH OUT! L	WATCH OUT! XL
LED power	50–60 W	80–100 W	150 W	200–300 W
Projection distance	up to approx. 6 m	6–9 m	9–11 m	over 11 m, yard
Ingress protection	IP67	IP67	IP67	IP65
Power supply	230 V AC	230 V AC	230 V AC	230 V AC

Sign diameter = mounting height × lens ratio. Values in metres.

LENS	3 M	4 M	5 M	6 M	8 M	10 M	12 M
1:0.3	0.9	1.2	1.5	1.8	2.4	3	3.6
1:0.36	1.1	1.4	1.8	2.2	2.9	3.6	4.3
1:0.5	1.5	2	2.5	3	4	5	6
1:1	3	4	5	6	8	10	12

A controller **we build ourselves**

Signal inputs

Radar sensors, LiDARs, reed switches, presence sensors

Signals from infrastructure

Door automation, ramps, platforms, lifts, cages

Outputs

Projector control, light and sound signalling

Operating modes

Continuous operation, sensor triggering, pulsing, sign switching

We design and build the control module ourselves, so integration is not limited to a list of compatible devices. Scenarios and traffic priorities are agreed at commissioning.

1 · Site survey

Choosing the mounting points

Hanging height, sign size and traffic directions set for the specific building.

2 · Graphic design

Gobo production

Safety signs, the customer's own markings, texts, logos, language versions.

3 · Installation

Installation and set-up

Power supply, sensor and controller wiring, focus setting, training.

INSTALLATIONS

Where Watch out! is at work



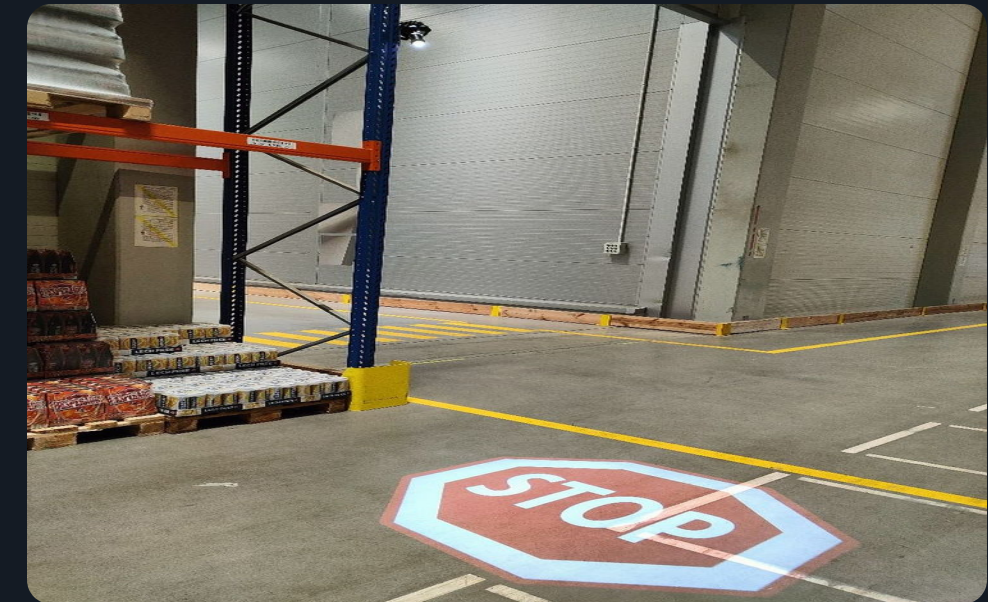
High-speed doors

The no-crossing sign lights up when the door operates or a forklift approaches.



Pedestrian crossings

A virtual zebra crossing with no floor painting.



Docks and ramps

A STOP sign at the stopping point before the loading area.



WATCH OUT! - FELIXCOM SP. Z O.O., POLAND - Applications



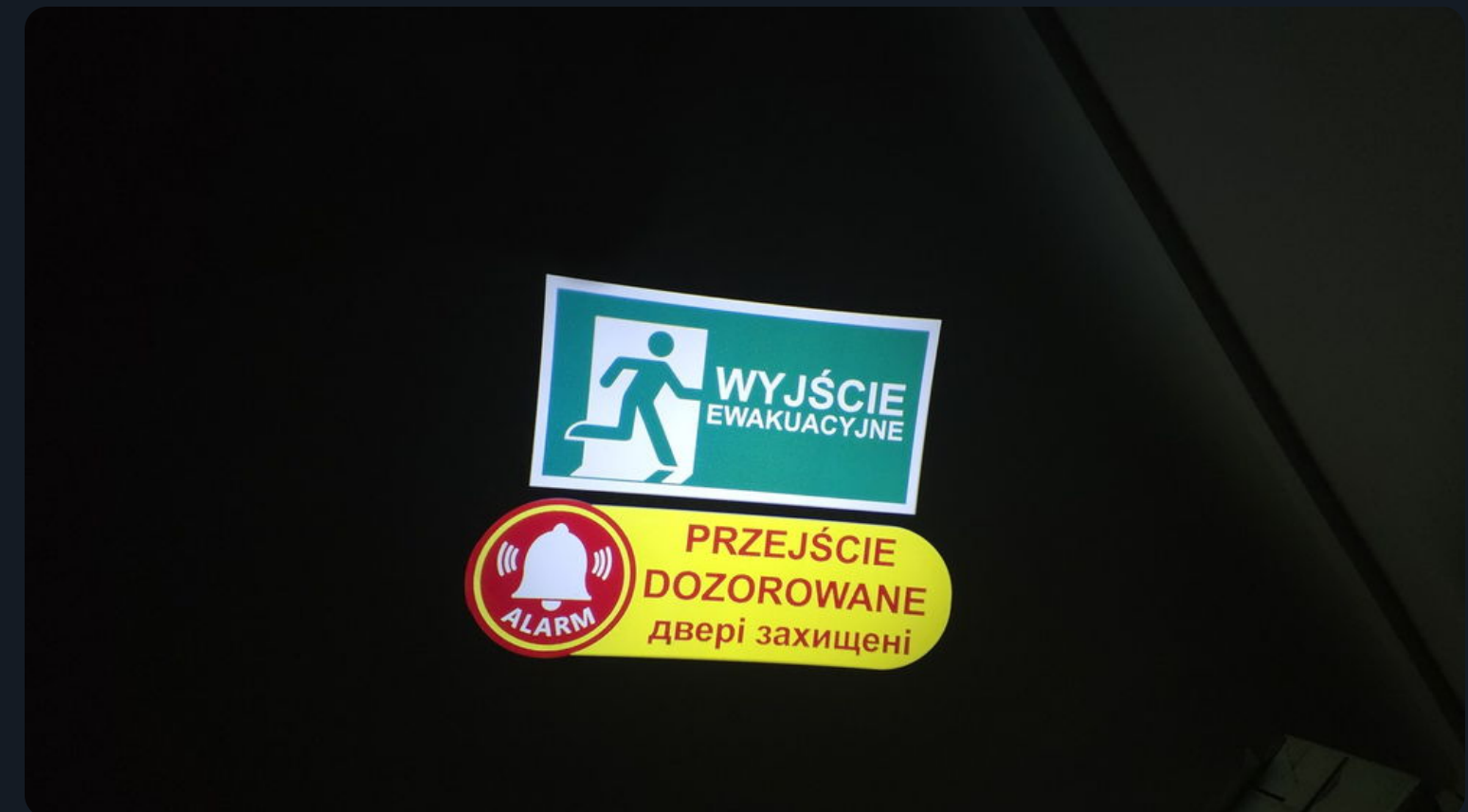
THE PROJECTION ITSELF

Any sign, **any language**



Two-way sign with PPE pictograms

One projection readable from both directions, with pictograms of the required personal protective equipment.



Multilingual message

The same sign in two languages — no extra boards or decals, which matters with multinational teams.

INTEGRATION

Watch out! plugs into the rest of your safety systems

The projection can be tied to a signal from any device in the building — including the other Felixcom systems. Instead of several independent installations you get one safety scenario.

FX-STOP-TRUCK

Wheel chock interlock at the dock

A STOP or no-entry sign at the bay until the vehicle is secured with a chock — one message for the driver and the warehouse.

FX-SAY

Voice announcements

The same signal triggers the light sign and a spoken announcement, in foreign languages too — the warning reaches the pedestrian and the operator.

FX-EVACUATION

Evacuation and people flow

On alarm the projectors switch to escape-route markings and exit directions, following the building's scenario.

FX-GUARD

The danger zone is visible from the doorway

When the thermal camera detects overheating in the forklift charging area, a no-entry zone appears around the affected bay.

One contractor **from design to service**

Our own controller

We design and build the control module, so integration is not limited to a list of compatible devices.

One contractor

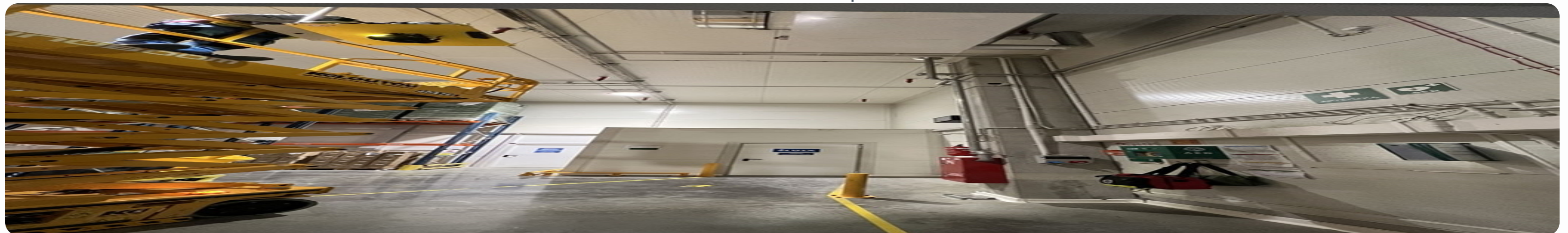
Design, graphic production, electrical installation, commissioning and service from one supplier.

Experience in industrial facilities

Security, CCTV, access control and automation in warehouse and production facilities.

Growth in stages

The installation starts with a single sign and grows with sensors and further zones, with no hardware replaced.



LET'S TALK ABOUT YOUR FACILITY

Book a site survey and a quote for your zone

On site we select the mounting points, the sign size and the configuration, and record the parameters in a technical offer.

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