

LED Floor Marking

Brochure 2023 - 2024



ALIS Tech Ltd.
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Innovative Safety Solutions 4.0

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 case of study

Established In 2018

ALIS Tech Message

„We are first class in safety. Be part of it!“

ALIS system is a tailored-made solution that improves safety and increases the efficiency of operations. ALIS solutions are based on the latest wireless technologies defining the direction of Industry 4.0.

2018

ALIS Tech s.r.o.

Main focus on LED floor marking division. Development of collision avoidance solutions.

2020

ALIS Alliance Establishment

First successful projects for LED floor marking and anti-collision systems in eleven European countries.

2022

+600 Projects & +200 Customers

More than 600 projects for LED floor marking and anti-collision systems were implemented in 20 countries.

70 %

70 % of forklift-related accidents can be prevented

135 mil \$

forklift accidents cost \$135 million per year

34,900

34,900 serious injuries occur annually



LED PJ Model

LED Your Safety Shine

Industrial LED Projector With IP Cover 65

LED floor marking avoids operational blindness via the smart activation of illuminated safety Signs. The predefined actions such as the motion of a forklift truck, crane, pedestrian, or opening of the industrial door, trigger the LED projection that interactively changes the safety marking guidelines for MHE and pedestrians at the workplace.

- ✓ wireless communication with forklift trucks, pedestrians, el. devices;
- ✓ intelligently controlled intersection solution;
- ✓ illumination of moving objects;
- ✓ blinking / fading modes of illumination.

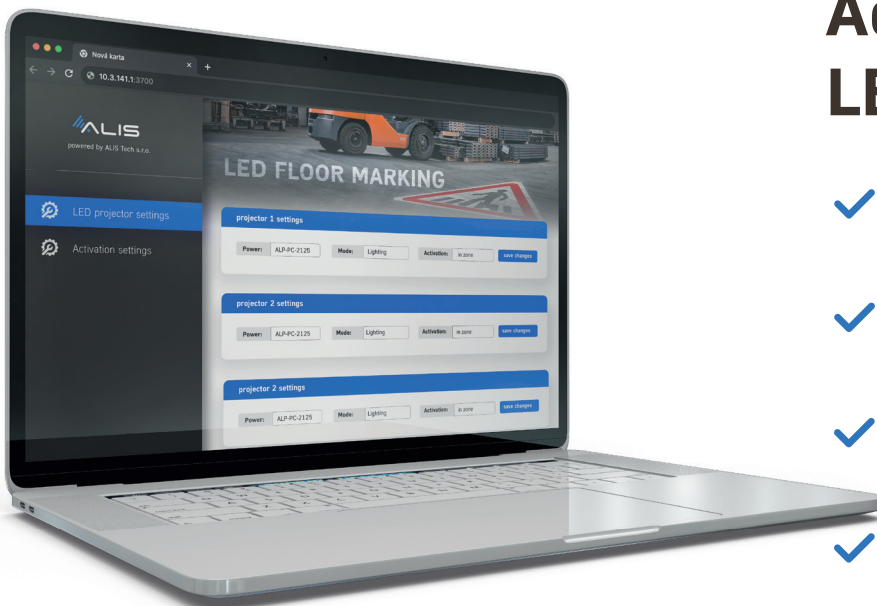
IP cover	IP 65
Average lifetime of LED chip	up to 50 000 hours
Compatible optics	13° - 47°
Cooling system type	Active / Pasive
Price level	400 - 2 000 EUR





Advantages Of The LED Technology

- ✓ Impossibility to overlay the projected safety sign.
- ✓ Installation of LED projection in otherwise hard-to-reach places.
- ✓ Impossible to destroy or damage the sign.
- ✓ Compatibility with the anti-collision system.



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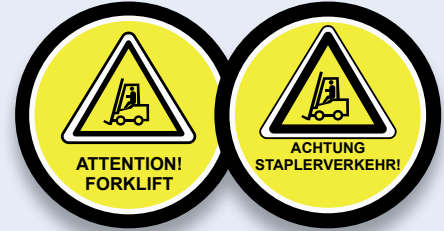
forklift accidents cost \$135 million per year

34, 900

34, 900 serious injuries occur annually

Forklift Signs

yellow forklift signs



Warning Signs

yellow warning signs



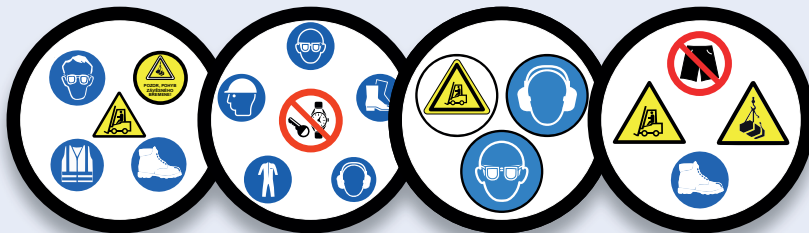
STOP Signs

red danger signs



Multi Signs

combination of 2 and more safety signs



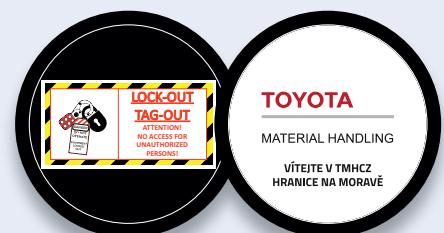
PPE Signs

blue Personal Protective Equipment signs



Custom Design

company logo and tailored signs





Logistics Marking

Visual Virtual Lines & Pallet Positions

- ✓ Specially modified optics for maximum concentration of light into a line shape.
- ✓ Red & green colors.
- ✓ No restrictions and downtimes while installing the LED system.
- ✓ No necessity for floor preparation.

For Easier Traffic Guidance

Highly visible LED projected lines offer easier orientation of personnel and machinery in logistic and operation areas. Lines are easily modified and transferable from place to place.

IP cover	IP 65
Standard line length	approx 1 m from 1 m installation height
Colors	red green
Price level	on demand

Note: The sale of the Line LED Projector will be launched from the beginning of 2024.



80 %

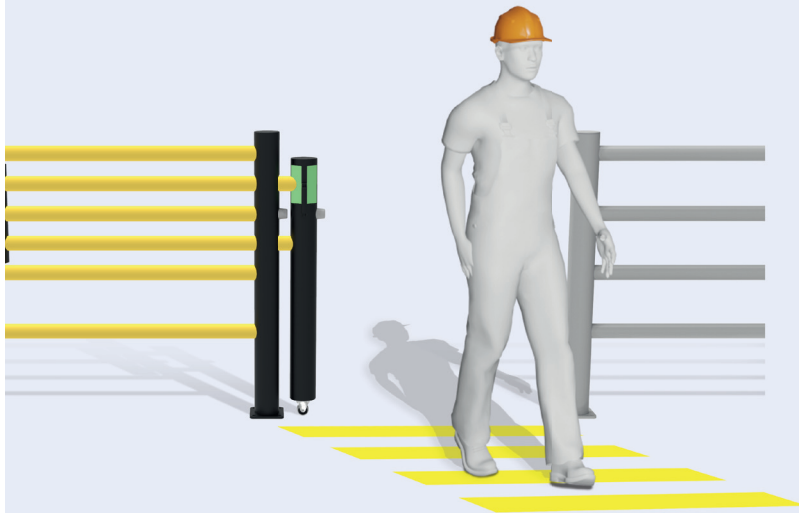
up to **80 %** of all injuries at work are due to the human error

20 %

20 % of all work injuries are pedestrian vs forklift type

18m

in average the Return on Investment is **18 months**



Safe To Cross The Zone

- ✓ No material handling equipment around.

PJ 1: ON pedestrian crosswalk.

PJ 2: OFF STOP sign.

Smart Intersections

The highly visible LED-illuminated walkways increase the level of operational safety for pedestrians.

Smart LED floor walkways are designed to be wirelessly controlled and activated by the movement of forklift trucks or pedestrians.

In case of no danger - pedestrian crossing is turned on, in case of approaching forklift warning STOP symbol is switched.

Automated Walkways

- ✓ Walkway signs of up to 6 m long (per 1 LED projector).
- ✓ Yellow / white / green colors or custom design.
- ✓ Possible to combine with other designs ex. warning forklift / STOP signs.
- ✓ Intelligent control of pedestrian crosswalks by sensors or wireless technology.





Forklift Is Approaching The Zone

- ✓ Forklift is approaching towards the crosswalk.
- ✓ Optional: magnetic lock of safety gate & optic light signalization.

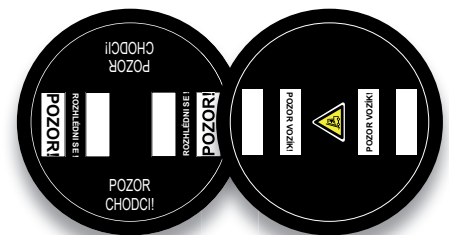
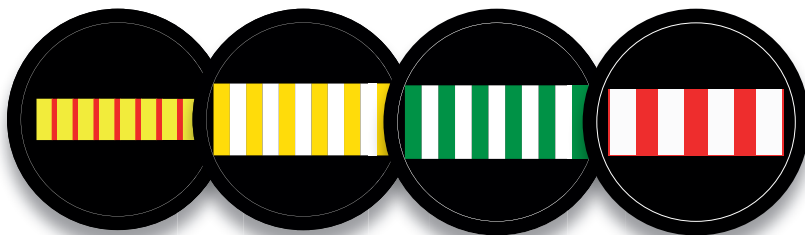
PJ 1: OFF pedestrian crosswalk.

PJ 2: ON STOP sign.



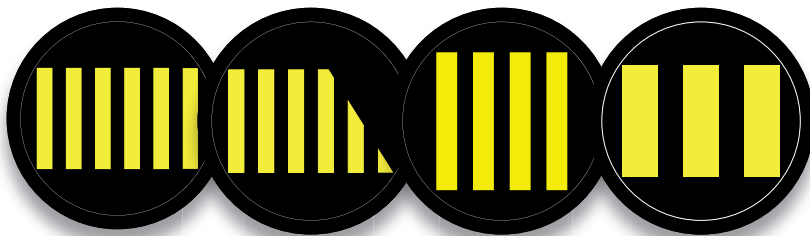
Multi Colored Crosswalk

combination of 2 colours crosswalks & crosswalks with text included



Yellow Crosswalk

2 - 6 stripes crosswalks per one safety glass



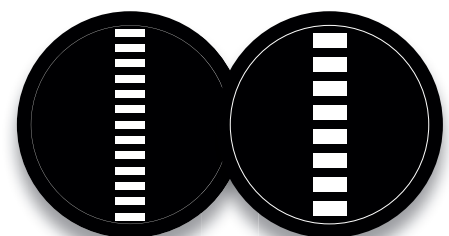
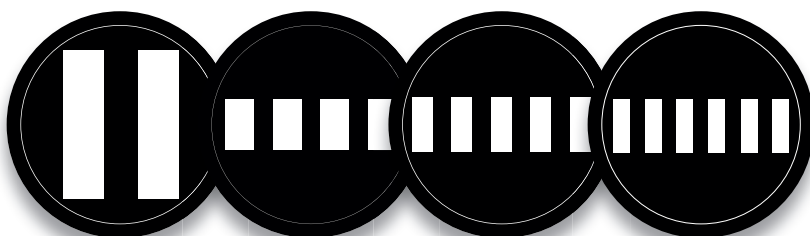
Custom Design

for illumination at an angle



White Crosswalk

2 - 6 stripes crosswalks per one safety glass





Moving Objects

EOT Crane Technology & Transport Systems

- ✓ Illumination of hazardous zones around suspended loads.
- ✓ Humid- and dust-proof industrial design with IP 65 cover.
- ✓ Pulse and blinking optional functionality (optional).

To Reduce The Risk Around Suspended Loads

Crane safety lights increase the level of safety for operators and employees working nearby the area of suspended load.

IP cover	IP 65
Installation height	up to 12 meters
LUX environment	up to 800 LUX
Interactivity	triggered by crane activation / loading the cargo
Price level	1 500 - 2 000 EUR

761

up to 761 crane related accidents per year

90 %

90 % of crane related accidents caused by a human error

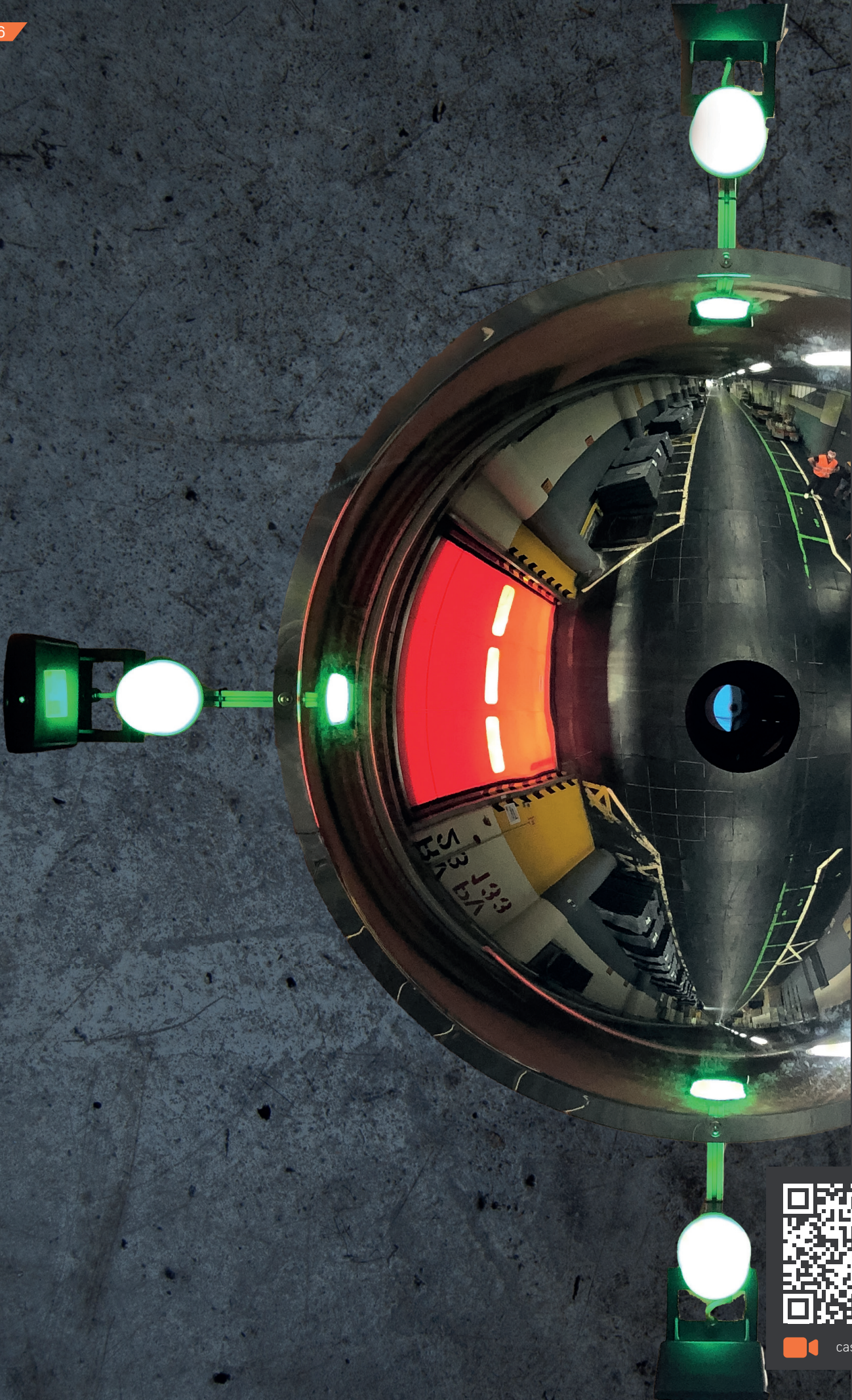
\$15 million


\$15 million fine for fatal accident caused by crane



**Innovations
Bring Safety In Your
Workplace.**





 case of study

Busy Intersections

Smart Parabolic LED Mirror

- ✓ Industrial LED projector integrated into the parabolic mirror (360° point of view).
- ✓ Possible extension with light control by RGB beacons for up to 4 directions.
- ✓ LED projection triggered by the sensors. Detection of pedestrians/vehicles/both.

From Passive To Interactive Protection

The LED projector built into a parabolic mirror eliminates the disadvantage of passive character of the mirror, and interactively alerts about approaching objects by a blinking/pulsing warning symbol.

IP cover	IP 65
Modes of PJ lighting	24/7 pulsing blinking
Parabolic mirror size	Ø 100 [cm] standard
Possible extensions	light indication of the direction of moving object
Price level	5 256 - 6 880 EUR

140

over **140** workers are injured by forklifts annually

38 %

38 % of forklift-related accidents happen in goods-producing industries

100

up to **100** fatal accidents annually



**From Passive
To Interactive
Safety.**





Trusted By 400+

DHL

VOLVO

Mondelēz
International

mondi

HYUNDAI

P&G

SKODA

Nestlé

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