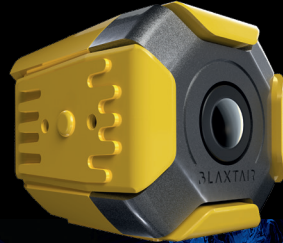# BLAXTAIR ORIGIN ®

YOUR TARGET: ZERO ACCIDENTS

PIONEER OF PEDESTRIAN PROXIMITY DETECTION

ROBUST AI CAMERA:
- Detect & localize people to prevent collisions
- Monitor & reduce your risk of accidents
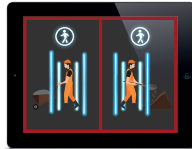
BLAXTAIR HAS BEEN SAVING LIVES FOR 12+ YEARS

Integrated cloud-based solution 'Blaxtair Connect'

Blaxtair Origin prevents pedestrian/vehicle collisions and saves lives

BLAXTAIR ORIGIN®

THE MOST ADVANCED PEDESTRIAN DETECTION SOLUTION

• The only industrial-grade AI camera able **to detect and localize pedestrians in real time.**

• Alerts the driver to the danger and helps to **prevent serious accidents** on industrial sites.

• **No** pedestrian **tags** needed.

• Able to detect **any postures** (i.e standing, crouching, or in partial view) to prevent collisions with vehicles, whether **driving forward or in reverse**. Set up a proper danger zone distance for your fleet.

COMPACT, ROBUST & EASY TO INSTALL

• Industrial-grade solution, operational in **harsh and tough environments**, e.g. strong vibration, high impacts, wide temperature variance (-40°C to +85°C / -40°F to +185°F).

• **Waterproof and dustproof** (IP69K sensor head).

• Compatible with **all types and brands of industrial vehicles** (forklift trucks, wheel loaders, excavators, etc.)

• **Compact and easy to integrate.**

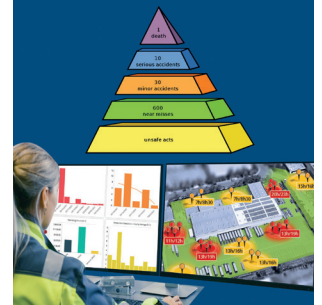• **Future-proofed: online maintenance & remote software updates.**

INCREASED PRODUCTIVITY & BETTER WORKING CONDITIONS

• Generates **only relevant alerts** for the driver, avoiding nuisance alarms and alarm fatigue.

• **Avoids** incurring **costs** related to downtime, workplace accidents or fatalities.

INTEGRATED CLOUD-BASED SOLUTION 'BLAXTAIR CONNECT'

• **Monitors & reduces risk of accidents.**

• Highlights **the most dangerous machines** and determines **the time and place where the risk of accident is highest.**

• **Measures the effectiveness of the preventive actions implemented** to prevent accidents between vehicles & pedestrians.

HOW TO GET BEST-IN-CLASS EDGE AI & DETECTION PERFORMANCE ?

• Industrial **market leader** in pedestrian detection.

• **12+ years of experience** in Artificial Intelligence and vision based pedestrian detection on the field.

• **High edge processing power.**

• **Unique & large learning dataset** for feeding AI algorithms.

• Arcure Blaxtair is a **member of the working group to create the first AI certification.**

• **12,000+ Blaxtair** in operation in 2022.

• **2000+ industrial sites equipped** in 50 countries.

BLAXTAIR ORIGIN: MAIN COMPONENTS

❶ **Sensor head:** captures images.

❷ **Processing unit:** recognizes and localizes people in danger thanks to AI algorithms.

❸ **LCD screen or Flash Beacon:** alerts the driver by a visual and audible alarm when people are detected on the trajectory of the machine, at the rear as well as at the front of the vehicles.

❹ **Customized interface:** Pedestrians can also be alerted thanks to voice buzzers or customized accessories.