BLAXTAIR®
Pedestrian detection system for heavy equipment
Blaxtair® continuously scans its designated area. Thanks to a stereoscopic sensor it can replicate the environment within its field of view in three dimensions and render all fixed or mobile objects within it visible. These objects are then analysed by the software and classified. Should a pedestrian enter in a hazardous area within this environment they will immediately be scanned and classified and an alarm would alert the driver. This allows for ample reaction time. The whole process lasts only a fraction of a second. A pedestrian might escape the driver’s notice, but none will escape Blaxtair®’s vigilance!

WHAT IS BLAXTAIR®?
Blaxtair® is an intelligent on-board camera which helps to prevent collisions between construction machinery and pedestrians. Combined with good practice and organizational safety measures, it is the only efficient and reliable answer to meet the safety demands of the construction, road work and mining sectors.

Blaxtair® detects any obstacle and recognizes if it is a pedestrian or not by analysing its shape. If there is imminent danger to a person it will alert the driver immediately. This allows for sufficient reaction time to prevent a potentially fatal collision. Blaxtair® warns the operator only when it is necessary. Thanks to Blaxtair® safety no longer needs to be an impediment to productivity!

DID YOU KNOW...
...that on construction sites and civil engineering works, collisions between construction equipment and pedestrians are amongst the most prevalent causes of serious accidents? They account for almost 20% of the deaths on construction sites. The average cost of an equipment/pedestrian collision can amount up to 360,000 Euros.
Sources: IRS and CARSAT - France

PREVENTS COLLISIONS BETWEEN CONSTRUCTION MACHINERY AND PEDESTRIANS

DETECTION PRINCIPLE

HOW DOES BLAXTAIR® COMPARE TO TRADITIONAL DETECTION SOLUTIONS?

SECTORS AND TECHNICAL CHARACTERISTICS

Blaxtair® is designed for harsh environments. It adapts to all types of machinery. Blaxtair® full performance is confidently assured under all conditions encountered in earthmoving, mining or industrial environments (low lighting conditions, dust, rain, etc.). It is easy to use and does not require any specific maintenance.

IN R.S and CARSAT - France

Pedestrian detection zone on a compactor - Blaxtair® recognizes all the pedestrians in its field.
It warns the driver about the presence of the pedestrian in the danger zone.
BLAXTAIR®, the only equipment of the market that knows the difference between a pedestrian and another obstacle.

Functionalities:
• Prevention of vehicles / pedestrians collisions
• Accurate localization of obstacles and pedestrians alike
• No useless alarm thanks to specific pedestrian detection
• Return of the view of the danger zones (rear-view camera)

Operational advantages:
• Adapted to all types of machine
• Rate decrease of industrial accidents and near-accidents
• Stress reduction of vehicles’ operators and of pedestrians alike
• Enhanced productivity
• Assistance with manoeuvres

BLAXTAIRview® is a premium camera system improving safety around industrial vehicles. Its wide field of view cameras display a color high resolution image. BLAXTAIRview® provides a good situational awareness even in very low illumination environment by switching automatically to infrared when necessary.

Compatible with Blaxtair® system, BLAXTAIRview® accepts up to 3 cameras and a Blaxtair® together. All videos are displayed on the same monitor.

For more information about Blaxtair®: Contact your forklift truck or HME dealer today!

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