

ACTIVE ANTICOLLISION SYSTEM



A NEW WAY TO LOOK AT SAFETY



Ultrasonic Sensor



Our in-house ultrasonic sensor detects obstacles within range by computing the "time of flight" of ultrasonic pulse echoes with accuracy and reliability unmatched by conventional commercial sensors. It is capable of consistently and reliably detecting an object up to 4 meters perpendicularly from the emission point. Side receivers allow to get echoes from lateral obstacles up to 1.5 meters. The combination of middle and side sections generates a detecting angle of 180° with respect to the rear end of the vehicle.

Advanced Display



The advanced display can be considered as the center of the SIS system. It mainly provides the operator with all visual and acoustic warnings concerning safety working conditions. It works as a central unit managing incoming and outgoing signals basing on specific algorithms and logics. Extremely compact and modular it can be easily installed in the cab without the need of invasive operations. All visual and acoustic warnings have been designed to alert the operator and effectively catch his attention.



Functional Examples

No obstacles within range



Green light is displayed
No acoustic alarm
Vehicle full speed both forward and reverse

Obstacles within range



Yellow light is displayed
No acoustic alarm
Vehicle slows down in reverse

Imminent collision risk

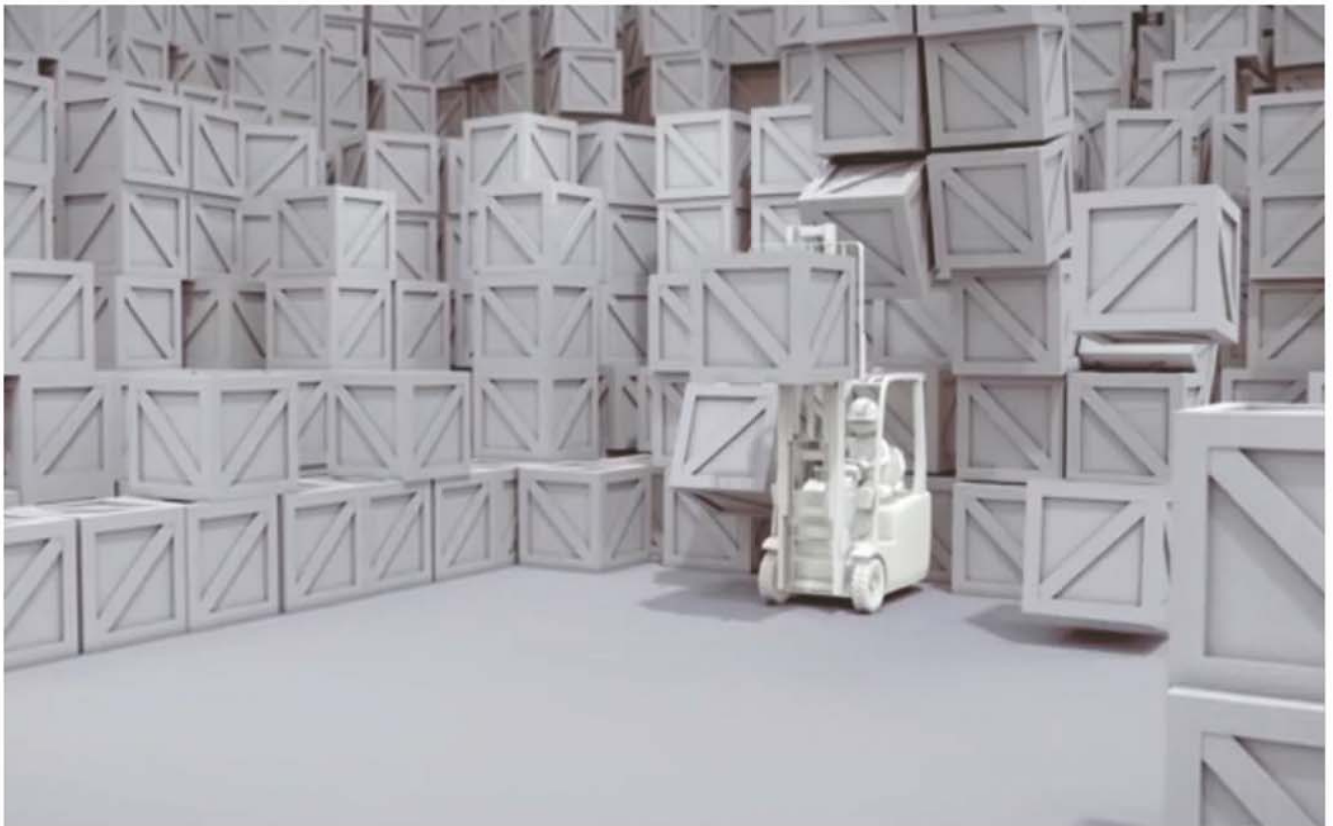


Red light is displayed
Active acoustic alarm
Vehicle blocked in reverse

Forks over the cab (optional for forklifts)



Blue light is displayed
No acoustic alarm
Vehicle slows down both forward and reverse



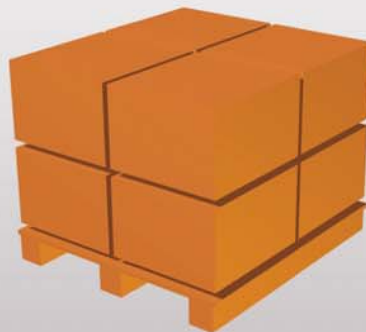
The lack of visibility or the operator's distraction are often the main cause of accidents. **SIS** collision avoidance system is an active maneuvering system for industrial vehicles able to detect obstacles in the operating range of the vehicle. The system prevents and avoids the risk of collision during maneuvers and offers the possibility to slow down and stop the vehicle .

Protecting **People**



Accidents involving people have serious consequences on health and legal implications for safety managers as well as company owners. The system drastically reduces risk of serious injury or casualties at different levels by protecting all people involved .

Protecting **Property**



Collisions with other vehicles or company devices might cause material damages to property. Preventing collisions as well as reducing accident consequences can save your money.

Saving **Time**



Any accident involving people as well as damages to premises and structures causes loss of time. Just think about production downtime, additional work related to repairing, insurance and legal disputes.



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