



Person To
Vehicle Alert



Walkway And
Crossing Alert



Hazard
Alert



Insight
Data Analytics



Asset
Protection



Qu-Box Masking Zone

During standard working practice, ZoneSafe Vehicle To Person Alert detects all pedestrian workers (wearing a ZoneSafe tag) who enter the detection zone around the vehicle. When each person is detected, the system warns the driver via an audible and visual alarm from the ZoneSafe in-cab control unit.

This type of solution excels at keeping pedestrian workers safe, significantly reducing the risk of pedestrian workers from being struck by a moving vehicle. But what happens when the vehicle has to travel through a crowd of people, or workers need to approach to load the vehicle? The answer is of course, lots of alarms - the in-cab control unit will continually alarm upon detection.

Alarms can both frustrate and annoy the driver, as well as becoming a nuisance to others close by - especially when they go off all the time. Nuisance alarms then start to get ignored and this can become very dangerous for pedestrian workers. This is where a Qu-Box can help by creating a masking zone - masking tag detection in specific areas, ideal for crowded areas or loading bays where pedestrian workers need to approach the vehicle.

In the diagram below, the forklift approaches the loading platform to pick up materials. Two pedestrian workers standing on the loading platform need to attach the materials to the forks of the forklift.

Every time the workers get too close to the forklift, the detection alarm goes off. Strategically placing a Qu-Box in the same area creates a quiet zone, masking the workers and making them undetectable, thus ensuring the pedestrian warning alarm doesn't go off on the forklift truck.

What is a Masking Zone?

The Masking zone is created by a Qu-Box which has an adjustable range of up to 9 metres. All tags that enter the masking zone are masked from being detected by the ZoneSafe system.

What is a Detection Zone?

The 360° detection zone surrounding the forklift truck is part of ZoneSafe's Vehicle To Person Alert solution.

Every time a pedestrian worker (wearing a ZoneSafe tag) enters the detection zone, the alarm goes off inside the forklift warning the driver of the pedestrians close proximity.

The alarm continues until the pedestrian exits the detection zone.

