Vehicle to Person Alert
For Materials Handling Equipment

ZoneSafe®
Proximity Warning & Alert Systems

Detect People
Protect Lives

Reduce the risk of injury or damage from vehicle collisions and near miss occurrences to personnel, assets and property.

avonwood

ZoneSafe
Proximity Warning & Alert Systems

Walkway And Crossing Alert

Access Control

Hazard Alert

Insight Data Analytics

Asset Protection

Vehicle to Person Alert

Reduce the risk of injury to personnel, assets and property from shovel loader collisions and near miss occurrences.

Vehicles and pedestrians

Accidents occur frequently between heavy machinery (such as shovel loaders or dumpers) and pedestrians because of their heavy loads. The driver's vision can be impaired because of the load, there can be blind spots and the excavator can have heavy moving parts that can strike a pedestrian worker.

The law for heavy machinery and shovel loaders – Construction (Design and Management) Regulations 2007 states that sites must be organised to segregate pedestrians and excavators.

ZoneSafe Vehicle to Person is a Proximity Detection System that detects personnel working in close proximity to excavators, reducing the risk of accidental collisions and serious injuries.

System Overview

A detection antenna is fitted to the vehicle creating a 3-9 metre detection zone around the vehicle. More antennas can be fitted depending vehicle size. Anyone wearing an active RFID tag will be identified when they enter the detection zone.

The in-cab control unit is fitted to the vehicle within reach of the vehicle's operator. An audible visual alarm alerts the driver every time anyone wearing an active RFID tag enters the detection zone. The unit has the capability to store and send data on each ZoneSafe application.

An active RFID tag is worn by all personnel. The tag can be placed in a hi viz jacket, clipped to a lanyard or simply placed in your pocket.

Detection Zones

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