

Vehicle to Person **Alert** For Materials Handling Equipment



Detect People
Protect Lives

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





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 excavator collisions and near miss occurrences.

Vehicles and pedestrians

Accidents occur frequently between heavy machinery (such as excavators) 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 excavators – 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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