

# SHOCKWATCH®

Damage Prevention and Safety Solutions



## Intelligent Proximity Alert System (IPAS)



## Protection for all your assets – both people and machinery.

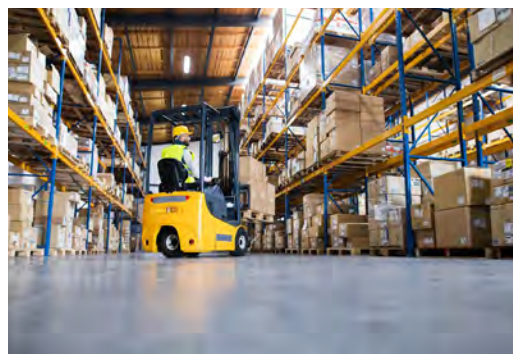
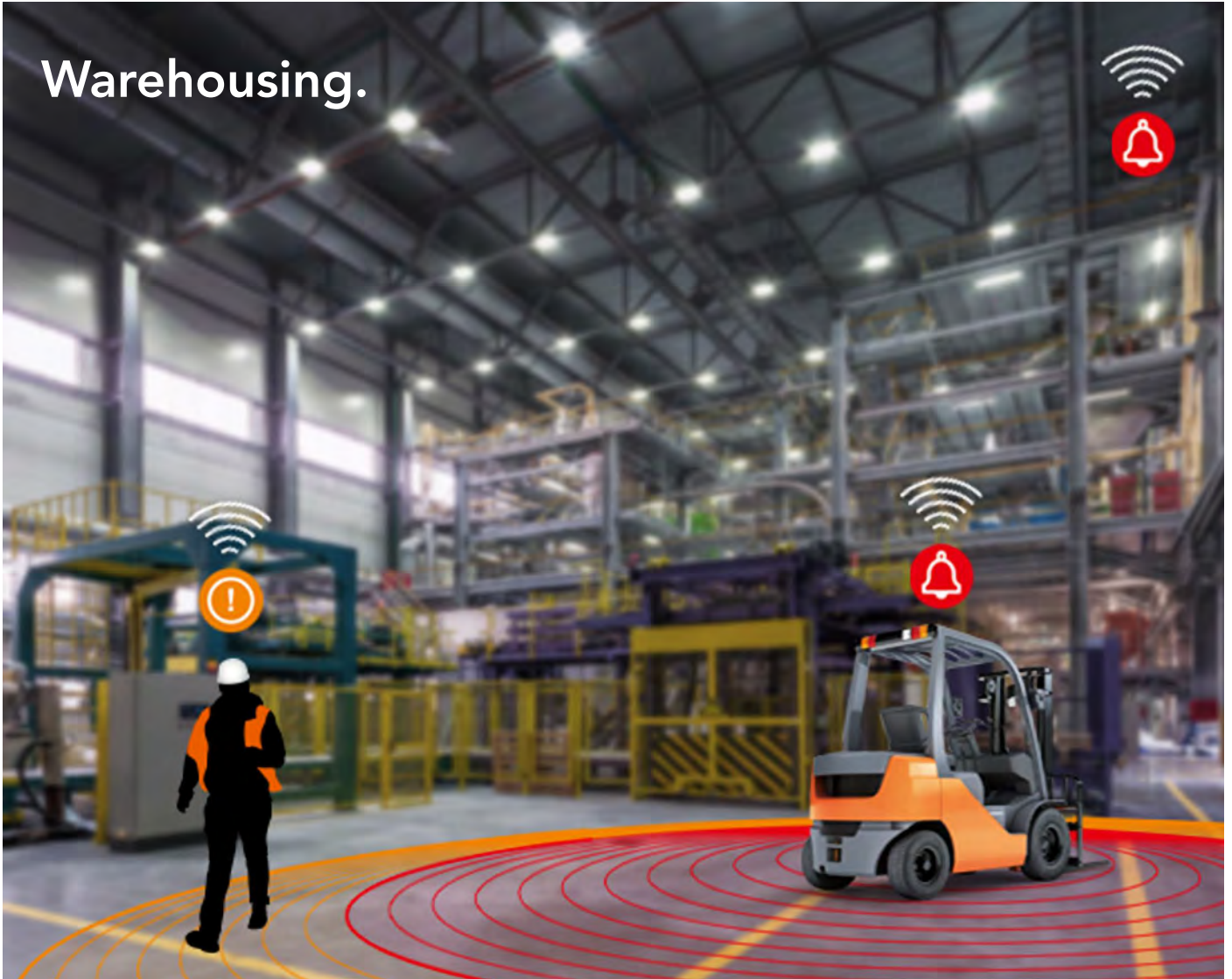
The ShockWatch Intelligent Proximity Alert System (IPAS) by KIGIS is designed to reduce the risk of collision between pedestrians and moving vehicles in industrial workplaces.

Using the latest Ultrawide Band (UWB) technology, IPAS precisely measures distances, both vehicle-to-vehicle and vehicle-to-pedestrian, and provides a highly reliable collision warning in light, sound and voice-alert format.





**Warehousing.**



**Our dual-zone pedestrian and voice-alert blindspot system means warehousing without nasty surprises.**

## Mining.



**Suitable for all types of heavy machinery, with an extensive detection range of up to 30 metres.**



## Construction.



**Latest Ultrawide Band technology accurately measures distance between moving vehicles and pedestrians.**



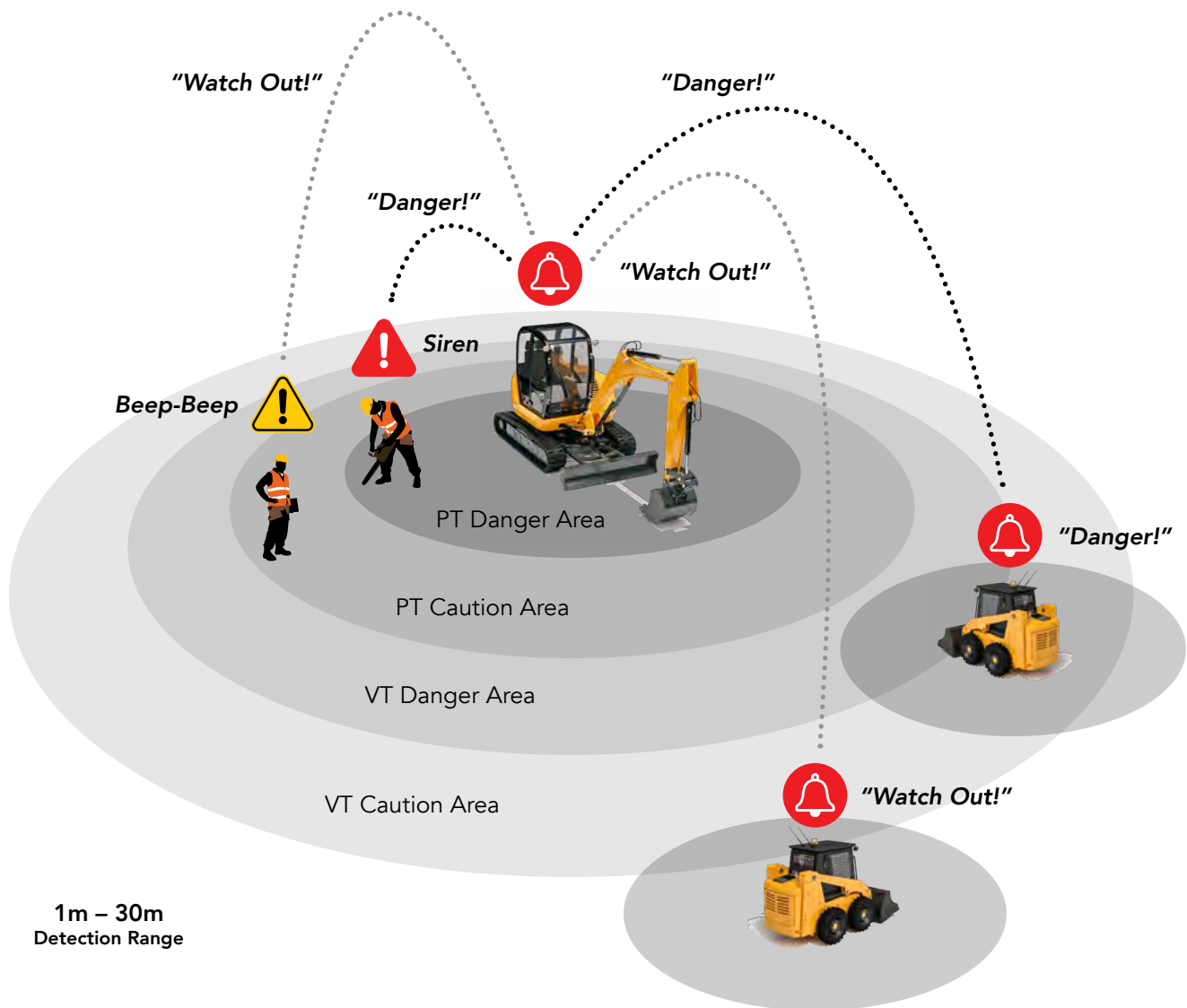
Shipping.



**Accurate proximity detection designed to reduce the risk of collisions, especially in fast-paced environments.**

# How It Works.

[Click for Video](#)



## Main Operating Characteristics

- IPAS is applicable to all industrial vehicles: excavators, forklifts, loaders, tractors, etc
- Detection of pedestrians and moving vehicles in the area of operation of vehicles
- Detection range is adjustable from 1 – 30 metres in ideal conditions
- System components are all rugged and long-lasting

# System Components.

## Vehicle Components



### Indicator

Provides light and voice alert when Vehicle Tag detects other Tags.



### Vehicle Tag

Detects Pedestrian Tag, other Vehicle Tags and Zone Tag based on UWB technology.



### DC-DC Converter

For 36-72v vehicles

## Pedestrian Tag



### Pedestrian Tag (w/Armband)

Creates vibration and sound alarm when inside detection zone. Configurable and rechargeable.



### IPAS Toolkit

Connection device between PC and products for firmware updates and settings.

## Optional Accessories



### Pedestrian Tag (w/Carabiner)

Creates vibration and sound alarm when inside detection zone. Configurable and rechargeable.



### Pedestrian Tag Helmet Clip

Tag Clip that attaches to helmet. (Helmet not included).



### Flashlight Zone Tag

Provides both audible and visual alert to pedestrians.



### Crossway Zone Tag

Sounds voice alert and projects spotlight on floor when Vehicle Tag is detected.



### External Output Device

Allows additional modules to combine with IPAS kit.



### USB 4 Port Wall Charger

Allows for up to four Pedestrian Tags to be charged at once



### USB 10 Port Wall Charger

Allows for up to ten Pedestrian Tags to be charged at once

**Please note:** In addition to the components featured here, every IPAS Kit comes with all the items required (cabling, wiring, fasteners, brackets, etc) for a complete installation.



# Operation Diagram.

## Vehicle-to-Pedestrian



Pedestrian Tag (PT)



Crossway Zone Tag (CZT)



Vehicle-to-Zone  
(Crossway)

## Vehicle-to-Vehicle



Vehicle Tag (VT) + Indicator (IND)



Vehicle Tag (VT) + Indicator (IND)



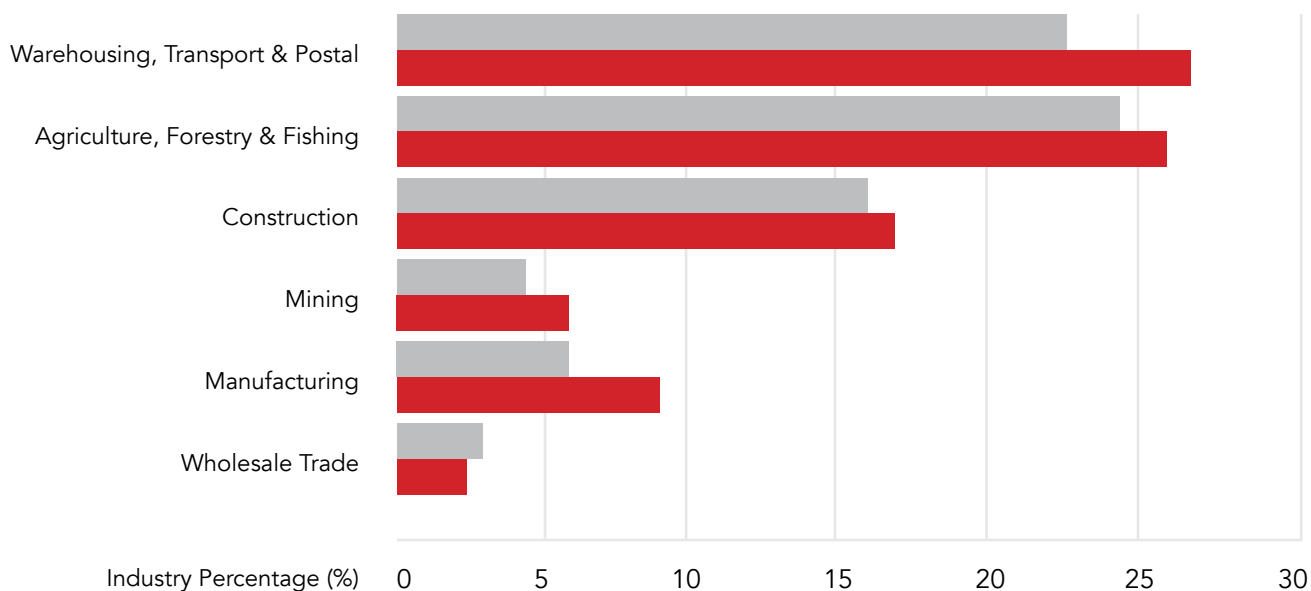
Flashlight Zone Tag (FZT)



Vehicle-to-Zone  
(Blindspot)

## Worker Fatalities: Proportion by Industry

■ 2018 ■ 5-year Average



Source: [safeworkaustralia.gov.au](https://safeworkaustralia.gov.au)

## Latest News Articles

Data reveals 157 Aussies left for work in 2019 and never came home – [shockwat.ch/Workplace0120](https://shockwat.ch/Workplace0120)

Abattoir fined \$95,000 after forklift injures worker – [shockwat.ch/Forklift0419](https://shockwat.ch/Forklift0419)

Forklift accident leaves young construction worker with several amputations – [shockwat.ch/Forklift1219](https://shockwat.ch/Forklift1219)

Industrial manslaughter charge follows Brisbane forklift death – [shockwat.ch/Forklift1019](https://shockwat.ch/Forklift1019)



# Warranty.

A limited one-year warranty ('Warranty Period') is standard with all units and software and warrants for material or construction defects provided the instructions included in the manuals and documentation have been followed correctly.

The Warranty Period begins on the date of product shipment. Repair for functional failures and/or cosmetic touch up for units out of warranty is available on a time and materials basis.

## Terms of One-Year Limited Warranty

We warrant that during the Warranty Period each unit will be:

- Free from defects in materials and workmanship
- In compliance with its specifications

ShockWatch declines any responsibility for defects that may appear during the warranty period when:

- The instructions included in the manual have not been observed
- Any repairs have not been made by our professionals
- The failure has been caused by abnormal wear or erosion
- Unauthorised replacement parts have been used
- The system has not been used correctly

# Our Training and Support.

## Technician Training

We provide training for technicians on the installation of the system and how it works. All units have installation manuals and wiring diagrams enclosed.

## Customer Training

We will take you over some of the facets of the system. Once installed it is reasonably straightforward as the system will operate without any required intervention to the main unit.

## Technical Support

Technical Support is provided by contacting us during business hours between Monday - Friday 8am to 5pm AEST.

**1300 074 625**

**[solutions@shockwatch.com.au](mailto:solutions@shockwatch.com.au)**

# Our Clientele.

## Australia



## Worldwide





# SHOCKWATCH®

Damage Prevention and Safety Solutions

1300 074 625

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[shockwatch.com.au](http://shockwatch.com.au)

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