Pedestrian Alert System (PAS)
Workplace safety made simple for pedestrians and vehicles.
The ShockWatch Pedestrian Alert System (PAS) is a solution for the prevention of workplace accidents where there is a potential risk of injury to pedestrians who share workspaces with forklifts and/or heavy industrial vehicles.

The PAS warns drivers once it detects pedestrians at variable distances. Pedestrians wearing electronic Tags are detected by a device installed on vehicles. This warns the driver of the potential risk via a light and/or buzzer. The pedestrian will also hear the buzzer sounding on the vehicle when it is activated.

Pedestrian Tags are either battery-operated or rechargeable. The rechargeable Tag comes with sound, vibration and lighting on detection.
System Components.

Vehicle Components

- **RF Activator**
  Contains the system electronics. Switched relays to activate RGB Light/Buzzer on Pedestrian Tag detection.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Battery Tag Verification Unit**
  Verifies Battery Pedestrian Tag operational condition.

- **Mobile Tag Inhibitor**
  Temporarily inhibits driver’s Pedestrian Tag while operating vehicle.

- **Buzzer Control Unit**
  Controls buzzer duration in detection zones with high pedestrian-forklift interaction.

- **Detection Antennas (Standard)**
  Sends out low frequency 21kHz signal around vehicle up to 6.5 metres.

- **Detection Antennas (Long Range)**
  Sends out low frequency 21kHz signal around vehicle up to 9 metres.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Pedestrian Tag Inhibitor**
  Deactivates driver’s Pedestrian Tag while operating vehicle.

- **Wireless Rechargeable Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Battery Pedestrian Tag**
  Includes emergency button and LED light alert.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **DC-DC Converter**
  Converts forklift power to 24VDC.

Pedestrian Tags and Charging

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Wireless Rechargeable Tag Base**
  Charging base for single Rechargeable Pedestrian Tag.

- **Wireless Rechargeable Tag Station**
  Charging base for up to 12 Rechargeable Pedestrian Tags.

- **Battery Pedestrian Tag**
  Includes LED light, sound, and vibration alert. 3 colour indication of battery levels.

Optional Accessories

- **RF Activator**
  Contains the system electronics. Switched relays to activate RGB Light/Buzzer on Pedestrian Tag detection.

- **Test Tag**
  Failsafe device that ensures system is operating correctly.

- **Warning Light (RGB + Buzzer)**
  Activates on detection of Pedestrian Tag.

- **Battery Tag Verification Unit**
  Verifies Battery Pedestrian Tag operational condition.

- **Mobile Tag Inhibitor**
  Temporarily inhibits driver’s Pedestrian Tag while operating vehicle.

- **Buzzer Control Unit**
  Controls buzzer duration in detection zones with high pedestrian-forklift interaction.
Main Operating Characteristics

- Detection of pedestrians in the area of operation of vehicles
- Front/Rear detection is adjustable between 0.5-6.5m (Standard) and between 0.5-9.0m (Long Range)
- Side detection of up to 4.0m (Standard) and 5.0m (Long Range)
- Rechargeable Pedestrian Tag (T-10R) extends detection range by approx. 1 metre
- For vehicles above 4T load capacity an optional Repeater Box may be required to extend signal
- Option to speed limit vehicle on detection (if vehicle model permits)
The ShockWatch range of Safety Systems.
Optional Functionality: Blind Spot System.

System Components:
- All vehicles are fitted with the ShockWatch Pedestrian Alert System (PAS)
- A Tag is fitted to the wall

Point of Detection:
- When vehicle is detected in range of wall Tag, it triggers light and/or buzzer on blind side of intersection to alert oncoming traffic of approaching vehicles

To find out more about our optional Blind Spot System contact us at solutions@shockwatch.com.au
Our Clientele.

Australia

RioTinto  ORORA  ASCO  Turi  Dexion  Gough Group  Micash  Liberty  Ecolab  Simply Fruits  Visy  Methven  Decmil

Worldwide

Allfaland  Brembo  Cargill  Cobra  Colgate  DHL  FMC

Heineken  IKEA  Jungheinrich  Mars  Mercadona  Allied

Pierre Fabre  TRELL  BUA PAPEL  Sonoco  Still  PPG  SCA

Alcoa  Bosch  TIGAR  Balay  Siemens  Denso  Buffalo Lift Trucks Inc.

Nitto  RioTinto  arrium  Acciona  DS Smith  Ford

COT  CHEP  SAICANATUR  LOGIFRUIT  FCC  CPL

DSM  A.MIQUEL  Kemira  Kappa  Delphi  LOREAL  Baluarte

SaicaPack  IVECO  Faurecia  Bridgestone  Acindar  Essity