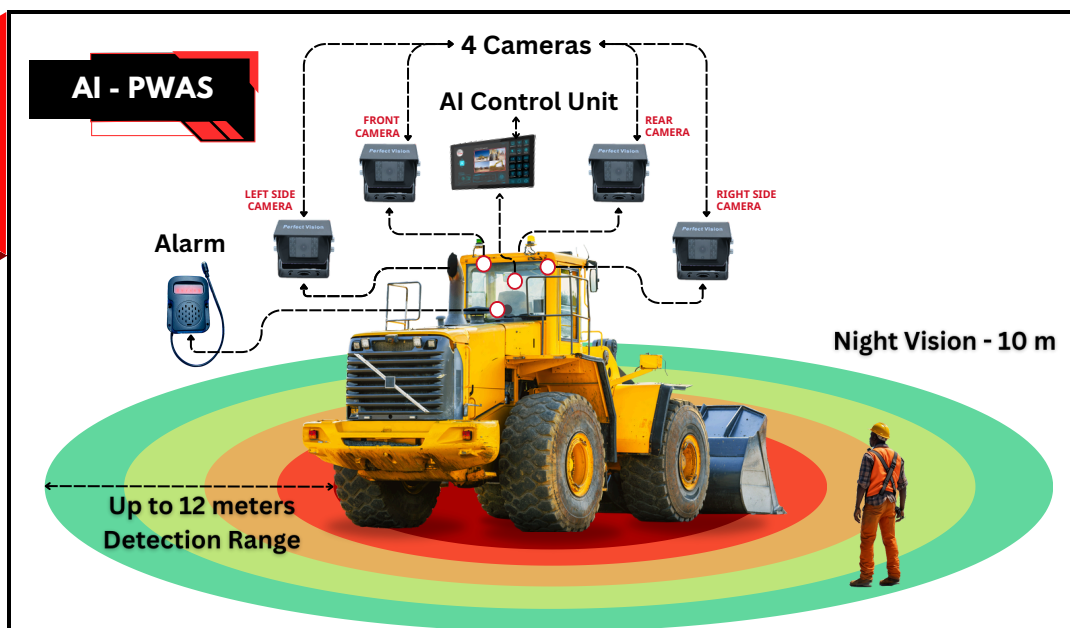# PROXIMITY WARNING & ALERT SYSTEM - PWAS

ABOUT THE SOLUTION

The PWAS employs a cutting-edge technology for worksite safety, utilizing AI algorithms to prevent accidents and enhance worksite safety. Leveraging vehicle to individual (persons) and vehicle to vehicle proximity warnings, our system ensures a safer environment by analyzing data and issuing timely alerts.

Key Features

- Avoid fatalities and injuries
- 360 Degree safe detection zone
- Improve safety culture & behavior
- Protect assets from damage
- Easy to Use System
- Customized configuration
- Enhance safety and environmental compliance
- Reduce the risk of blind-spots visibility

AI - PWAS

4 Cameras
AI Control Unit
FRONT CAMERA
REAR CAMERA
LEFT SIDE CAMERA
RIGHT SIDE CAMERA
Alarm
Night Vision - 10 m
Up to 12 meters Detection Range

WHY PWAS?

Workplace injury

142
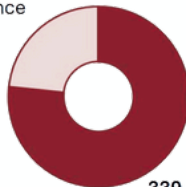Workers killed at work in 2020/21

441,000
Workers sustaining a non-fatal injury according to self-reports from the Labour Force Survey in 2020/21

51,211
Employee non-fatal injuries reported by employers under RIDDOR in 2020/21

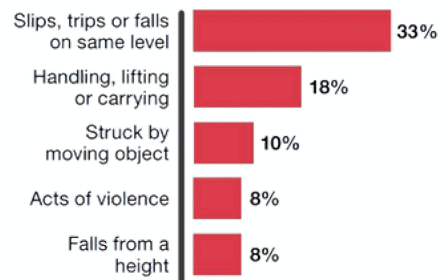Estimated self-reported non-fatal injuries, 2020/21

102,000 Injuries with over 7 days absence

339,000 Injuries with up to 7 days absence

Estimated self-reported workplace non-fatal injury per 100,000 workers

Non-fatal injuries to employees by most common accident kinds (as reported by employers), 2020/21

Accident kind	Percentage
Slips, trips or falls on same level	33%
Handling, lifting or carrying	18%
Struck by moving object	10%
Acts of violence	8%
Falls from a height	8%

*** Report source: Non-fatal injuries reported under RIDDOR 2020/21*
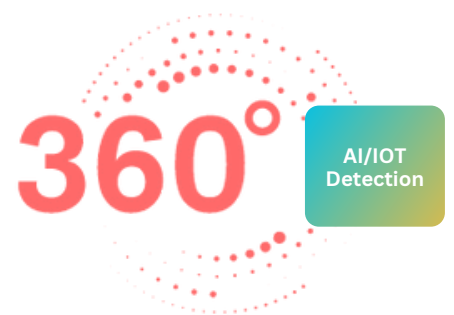
SYSTEM EXPLAINED:

B-Safe (PWAS) Proximity Warning and Alert Systems are designed to create a safe detection zone around people and vehicles to prevent accidents and promote worksite safety. By utilizing advanced sensor technology, B-Safe systems can accurately detect the proximity of individuals and vehicles; and issue an alarm to warn operators of any potential hazards.

B-Safe offers several types of systems to suit different worksite requirements. These include AI-Based Monitor PWAS, Tag-Based PWAS, Non-Tag-Based PWAS, Forklift PWAS, and Combo PWAS. Combo PWAS is an integrated advanced solution, as it combines both Tag-Based and Non-Tag-Based PWAS technologies into a single system, which offers a high level of flexibility and adaptability to various worksites and client projects' requirements. AI PWAS is the most advanced solution with cutting edge AI Monitor technology that provides wide range of capabilities and extended features.
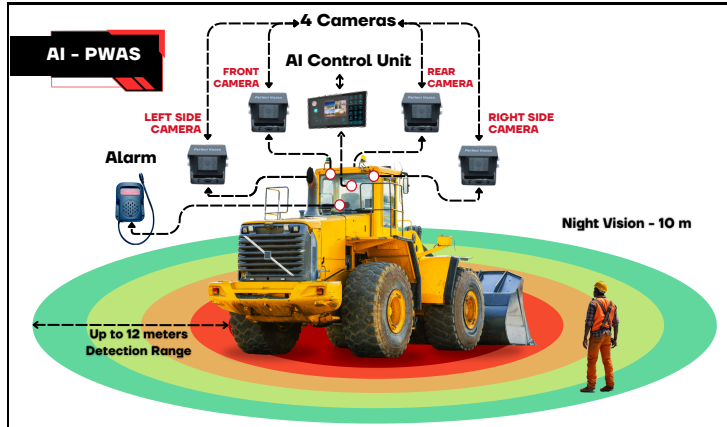

- *AI, Tag, Non-Tag, Combo*
- *AI/IOT Infrastructure Technology*
- *No Down Time*
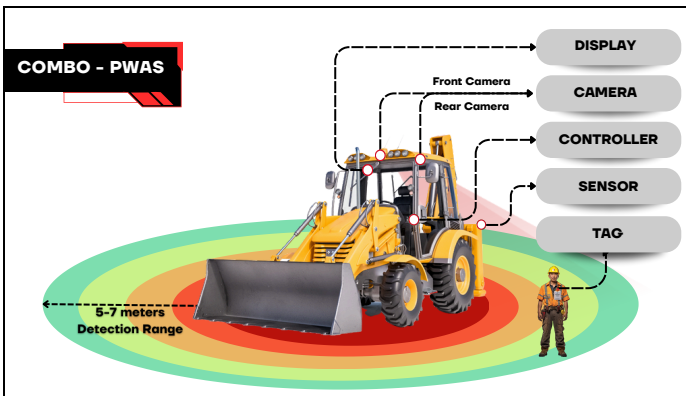- *Customizable Range*
- *HSE Report & Tracking*

360° AI/IOT Detection

B - SAFE COMPONENTS

AI MONITOR

CONTROLLER

SENSOR

WEARABLE TAG

DISPLAY UNIT

REMOTE

CAMERA

ALARM

TYPES OF PWAS:

AI – PWAS

4 Cameras
AI Control Unit
FRONT CAMERA
REAR CAMERA
LEFT SIDE CAMERA
RIGHT SIDE CAMERA
Alarm
Night Vision - 10 m
Up to 12 meters Detection Range

Please Scan this QR for Products Specifications & Datasheets about AI - PWAS

COMBO – PWAS

DISPLAY
Front Camera
CAMERA
Rear Camera
CONTROLLER
SENSOR
TAG
5-7 meters Detection Range

Please Scan this QR for Products Specifications & Datasheets about combo - PWAS

FORKLIFT PWAS

DISPLAY
Rear Camera
CAMERA
Front Camera
CONTROLLER
CAMERA(Lower)
TAG
5-7 meters Detection Range
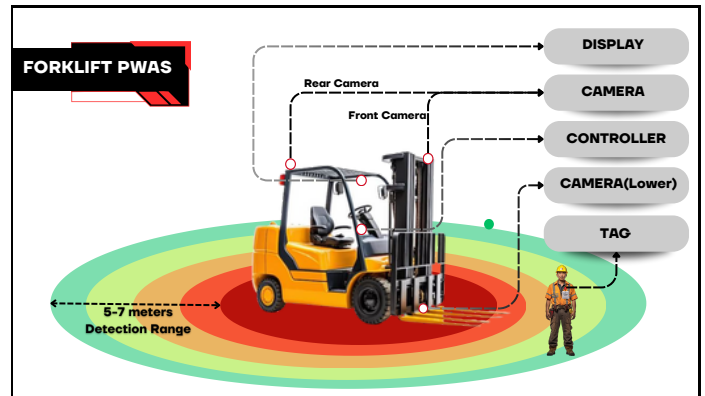
Please Scan this QR for Products Specifications & Datasheets Forklift PWAS

NON - TAG PWAS

LCD DISPLAY
CAMERA
CONTROLLER
SENSOR
5 - 7 meters Detection Range

Please Scan this QR for Products Specifications & Datasheets

TAG - PWAS

Front Camera
Rear Camera
CAMERA
LCD DISPALY
CONTROLLER
WEARBALE TAG
5 - 7 meters Detection Range

Please Scan this QR for Products Specifications & Datasheets