

Working with our customers to achieve positive outcomes in Safety & Productivity

# SENTINEL VISION A.I.

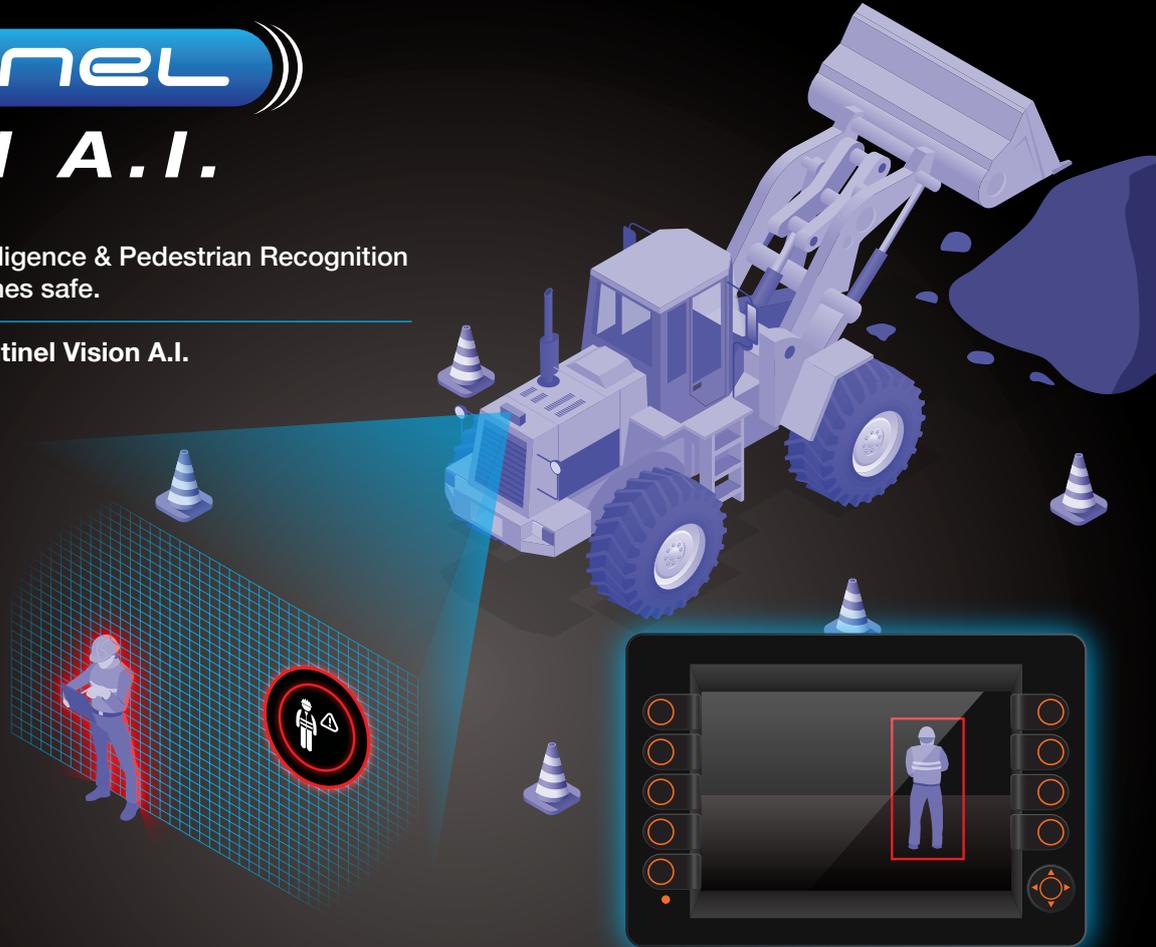
Use the latest in Artificial Intelligence & Pedestrian Recognition to keep personnel and machines safe.

Retrofit any machine with Sentinel Vision A.I. to change behaviours and avoid incidents and accidents.

Always vigilant and safer than a spotter.

Provides early warning and prompts the operator and pedestrian to move to a safe position.

Optional motion-stop provides a hard-engineered control at closer distances.



Early Warning & Prevention



Avoid Accidents Injuries & Fatalities



Avoid Costly Asset Damage



Change Behaviours Around Machinery



Configurable Zones & Distances



Monitor Safety Performance & Reporting



Retrofit to Any Machine Type



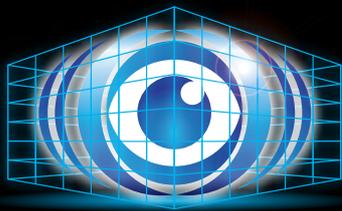
No Need for Electronic TAGS

# A.I. Pedestrian Recognition & Warning System

- Maintain and Monitor Pedestrian Exclusion Zones
- Reliable Alarms
- Change Behaviours
- External Voice Alarms Notify Pedestrians of Hazardous Areas
- In Cabin Alarms
  - prompt operators to stop, check & avoid incidents
- Motion Stop Option
  - is an Engineered Control

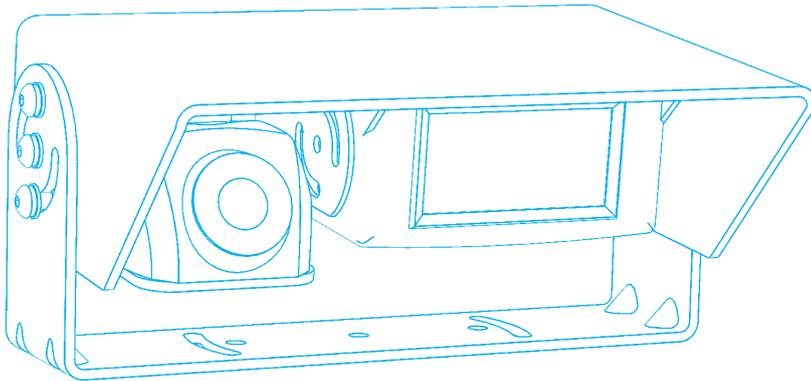


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# SENTINEL VISION A.I.

Integrates seamlessly with **SENTINEL** range of products by **PRM Engineering**



*"Pre-Warning and Voice alarms give the operator and the pedestrian the opportunity to take action, either by stopping the machine, or moving away safely"*

## A.I. Pedestrian Recognition & Warning System

More vigilant and reliable than a human spotter.

Sentinel Vision AI can be retrofitted to any machine to monitor Hazardous Zones for pedestrian detection and object collision avoidance.

Pre-warning and voice alarms prompt the pedestrian and operator to avoid an incident.

Optional Motion Stop integration – Allows machine control if the operator or pedestrian fails to stop or move away safely.

Customers report superior detection distance, low light performance, ruggedness and reliability of detection compared to older technologies.

Detection zones are fully configurable to any shape by width and distance.

Most machines use 2 cameras for rear blind spot detection – more cameras can be used on larger machines

## Technical Specifications

**Detection Type:**  
A.I. Recognition / Machine Learning

**Input Voltage:**  
8V to 30V

**Detection Distance:**  
Up to 12m\*

**Options:**  
Detection Event Triggered Video Recording, GPS Location, Data Logging & Push Notifications, Motion Stop, Remote Access & Software Update

\*Environmental Complexity, Lighting Conditions, Camera Location

## Optional Radar Display



## Pedestrian Detected Warning for Left and Right Cameras



*"The system works in low light conditions, where others don't"*

*"Behavioural Change Occured Quickly - and is probably the most valuable outcome"*

*"The system is intuitive and easy to use"*

*"The system alerted the operator of the presence of a pedestrian in cases where the operator had not yet seen them"*

*"Detection Distance and reliability is much better than other systems we tested"*



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