



AiVA

A new vision for industrial safety

An AI-powered camera designed to reduce pedestrian injury.

Artificial Intelligence Vision Assist (AiVA) has the potential to transform health and safety in the industrial sector.

Using advanced technology to alert operators of forklifts, access equipment and heavy machinery to nearby pedestrians, AiVA reduces collisions between people and industrial vehicles.

Together, we can make a positive change and create a workplace where everyone feels safe. Are you doing all you can to protect your workers?


speedshield
technologies

What is AiVA?

AiVA is a safety system developed by Speedshield Technologies.

Using artificial intelligence and advanced machine vision, AiVA alerts pedestrians and heavy machinery operators if they are at risk of collision and injury.



Main features

- A durable, weatherproof camera and an operator remote
- Provides visibility to operator blind spots
- Shows the location of nearby pedestrians
- Detects pedestrians at 8m (26.2ft) and beyond



Clear visual and audio alerts

AiVA was designed to enhance an operator's situational awareness. The operator remote includes a color-coded system that provides three levels of alerts if pedestrians come within range.

LED lights are activated depending on how close the pedestrian is to the vehicle.

What you see

LED light	Pedestrian distance from vehicle	Segmented display
Yellow	>5m (16.4ft)	Outer ring
Red	<5m (16.4ft) but no closer than 3m (9.8ft)	Outer ring
Red	<3m (9.8ft)	Inner ring

What you hear

A weatherproof speaker emits loud voice prompts to warn the operator and any pedestrians who are within 3m (9.8ft) of the vehicle.





Why choose AiVA?

In the US, 60,000 workplace injuries a year involve a forklift. 36% of forklift related deaths are pedestrians and 1 in 6 workplace deaths annually involve a forklift.¹

AiVA can help your business reduce these statistics and make sure your people make it home safe and sound.

But really, everyone wins when it comes to improving workplace safety. AiVA can empower workers to go about their day without fear of injuring their colleagues. And this translates to a number of benefits for your business and its bottom line.

These include:



Saving on insurance, legal and liability costs



Protecting your business reputation



Increasing productivity and profitability



Minimizing downtime from accidents and injury



Improving workforce retention and morale



Please note: AiVA is not a replacement for best practice vehicle operation. Operators should still drive to conditions, remain vigilant and keep a constant lookout for danger.

¹US Occupational Safety and health Administration 2007 and McCue 2019

About Us – Speedshield Technologies

Speedshield Technologies is a leading provider of advanced telemetry and engineering products and solutions. We have clients across the aviation, automotive, industrial, mining and mobile fleet equipment sectors.

Founded in 1996, our products help customers achieve a range of economic, environmental and operational benefits.

Your preferred technology partner

Speedshield Technologies is committed to innovation, advancement, and industrial safety. With our expertise, we are here to make your workplace safer and more efficient.

Buy now at aiva.speedshield.com

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