



REAR VIEW

OVERCOMING REAR BLIND SPOTS with SMART TECHNOLOGY

MAX-SAFE ✓ | MAXIMUM SAFETY
MADE BY **SGESC** ✓ MAX



OVERVIEW

MAX-SAFE Rear View™ is an affordable camera-based solution designed to detect and protect people from reversing vehicles. It is suitable for a wide range of heavy vehicles such as tippers, concrete agitators, waste vehicles, prime-movers, logistics vehicles, buses, heavy machinery, etc. This advanced solution is mounted to the rear of the vehicle and can be combined with in-cabin voice alerts, recording monitors, as well as exterior audible and flashing light warnings to provide greater safety to people around the rear of a vehicle.

PROTECTING PEOPLE

All heavy vehicles have rear blind spots – in fact the blind spot at the rear of the vehicle is the largest blind spot that drivers must contend with. Due to the nature of heavy vehicles and what sits behind the cabin, the rear vision mirror is of no help. Drivers must rely on their side mirrors and by putting their head out of the window for direct line of sight – which is why reversing a vehicle is one of the most hazardous aspects.

It presents risks for anyone who may be behind the vehicle – pedestrians, site workers, the general public. These vulnerable road users often do not understand the challenges the driver faces reversing and will be inattentive to the situation –

distracted by their mobile phone, be wearing ear buds, be talking to another person etc. They may not see or hear the vehicle – or they may see it but not realise it's approaching.

This is why heavy vehicles need to adopt advanced safety solutions to protect people at the rear of the vehicle, and to keep our communities safer. This will save all parties the physical, financial and emotional toll that comes with injuries and fatalities.

Using the latest advances in AI and Machine Learning (ML) the MAX-SAFE Rear View solution detects people within a configurable zone to the rear of the vehicle.

REAR VIEW

HOW IT WORKS

The MAX-SAFE Rear View solution uses state-of-the-art camera technology to assist drivers to reverse a vehicle safely.

A camera unit is mounted on the rear of the vehicle and scans the incoming image to determine if it recognises a person within a defined *danger zone*, either moving or stationary. It does this by using in-built AI (Artificial Intelligence).

On detection of a person within the *danger zone*, the system reacts instantaneously by triggering a range of options.



SAFETY OPTIONS	STANDARD	ADVANCED	PREMIUM
In-cabin light and audible voice alert	X	X	X
External loud speaker audible voice alert		X	X
External flashing light bar		X	X
Active Braking on detection ¹			X

¹ MAX-SAFE Anti-Rollaway Brake solution required.

A recordable monitor can be added (not mandatory) across any of the options to provide the driver with vision of what the camera is seeing (with the danger zone outlined) – while capturing video for later retrieval.

The MAX-SAFE Rear View solution protects vulnerable road users and site workers, giving drivers greater confidence and certainty when reversing.

The MAX-SAFE Rear View solution reveals people in the rear blind spot zone, notifying the driver and providing greater safety for all.



Below: Rear blind spots and red protection zone provided by MAX-SAFE Rear View.



HOW FITTED

The system has been designed to be fitted to the rear body of the vehicle or trailer and can be installed in new fleet builds or easily retrofitted. After it is installed, the system is calibrated before use.



PLACEMENT

The camera is mounted on the top rear of the vehicle's body or trailer.



CABLING

The cables are routed along the vehicle's body and into the cab.



INSTALLATION OF THE WARNING SYSTEM

The buzzer and light are mounted on the A-pillar.



The MAX-SAFE Rear View™ solution is designed to protect vulnerable road users and site workers and provide certainty for drivers reversing.

BENEFITS

- ◆ PROVIDES ASSISTANCE to the driver.
- ◆ SAFEGUARDS the rear of the VEHICLE.
- ◆ PROTECTS VRUs and SITE WORKERS.
- ◆ HIGH ACCURACY – detects people (stationary and moving).
- ◆ MORE AFFORDABLE than sensor systems.
- ◆ SUITABLE for most ANZ CONDITIONS.
- ◆ Can provide ALERTS and AUDIBLE WARNINGS.
- ◆ STATE-OF-THE-ART AI GERMAN TECHNOLOGY.
- ◆ GREATER SAFETY and PEACE OF MIND – including for Fleet Managers.
- ◆ Part of the MAX-SAFE SAFETY ECO-SYSTEM.





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