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EGOpro SAFETY: MOVE
Managing hazardous areas around moving vehicles.
Aid to Safety



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For many years Advanced Microwave Engineering have been developing equipment using radio frequency identification devices (RFID) to aid safety in the work place to avoid collisions between moving vehicles and site personnel.

The EGOpro Safety Move system is the first RFID system that allows dynamic management within dangerous work areas to help reduce the chance of injuries or deaths caused by such collisions.

How it works

Active sensors (or receivers) are installed onto the vehicle and create a safety area around it.

When someone with a transmitter tag (or reflector) enters the safety area the driver is alerted by means of a warning sound and flashing light. Normally within a range of 10 to 15 metres from the moving vehicle.

The on board sensor will be programmed not to consider the drivers own transmitter tag in order to avoid false alarms while working. This setting would stay active until the system is switched off.

The range of the sensors can be adjusted and set so that it is possible to design and manage controlled areas around the vehicle as needed.



The system is basically made of the following components:

Onboard device: receives signal and manages the audio/visual alerts. It is installed in the drivers cabin.

Active sensors or receivers, installed externally on the vehicles sides and rear.

Active transmitter tag, provided to all personnel allowed in the work area.

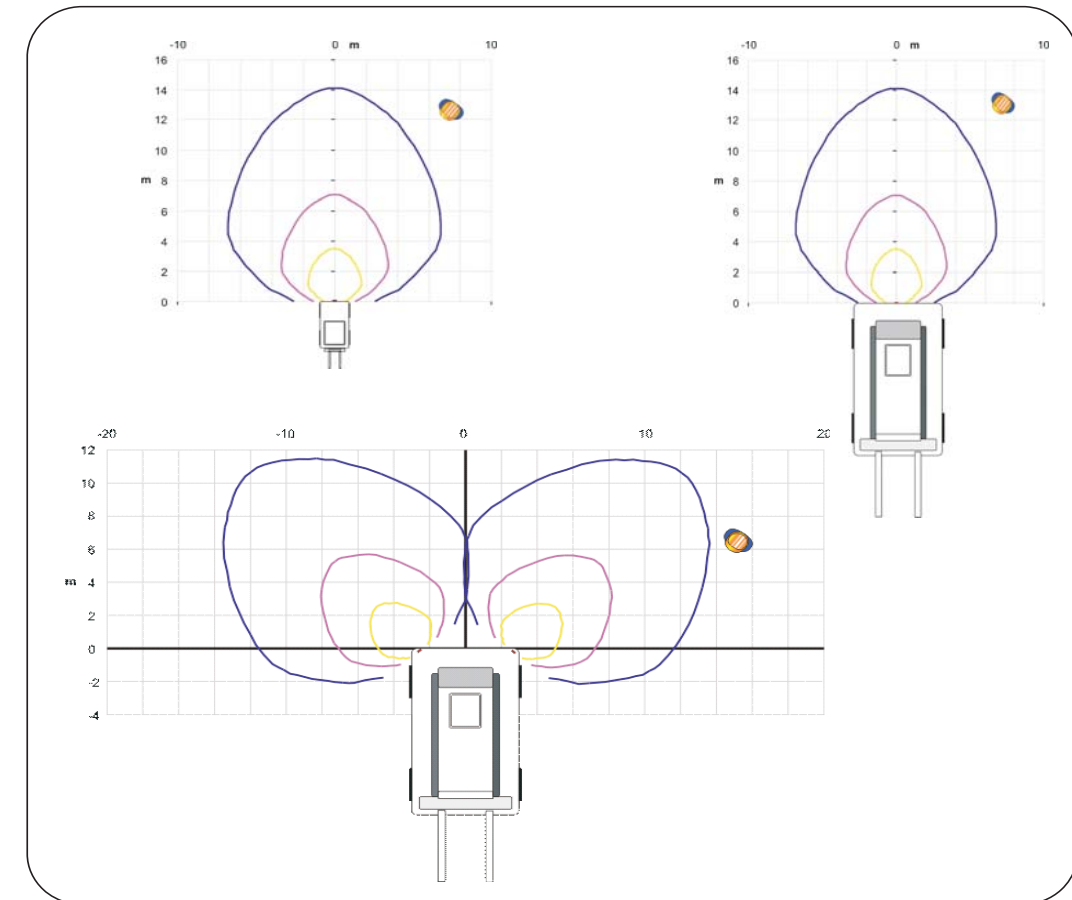


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As shown in the diagram the EGOpro Safety Move system can :

- Sense the presence of a transponder tag up to 15 metres from the moving vehicle. (distance is adjustable)
- Allow the "design" of specific areas around the vehicle as required.



To allow the authorised personnel to check that their transmitter tags are working correctly it is possible to have "check points" which will show a green light for "ok to proceed" and will also activate the EGOpro Safety Move system at the start of the working day only to those transmitter tags allowed to be in the particular work area.