

19%

of all fatalities
are from
going forward

31%

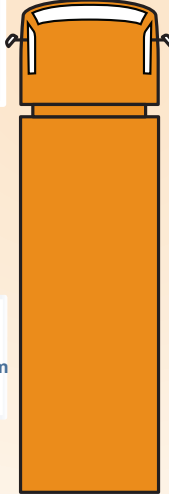
of all fatalities
are from
pulling away

19%

of all fatalities
are from
left-hand turns

6%

of all fatalities
are from
right-hand turns



18%

of all accidents are from
left-hand side-swipes

32%

of accidents are from
right-hand side-swipes

25%

of all fatalities
are from
reversing

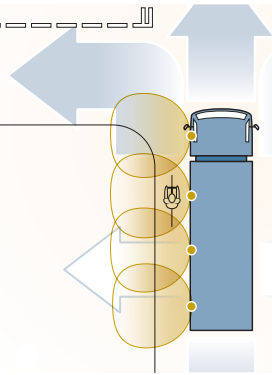
Killing blind spots

Fatalities involving goods
vehicles due to blind spots

Killing Blind Spots. Saving Lives.

Every year, about 400 people in the EU lose their lives in incidents involving HGVs because the driver was unable to see them in a blind spot.

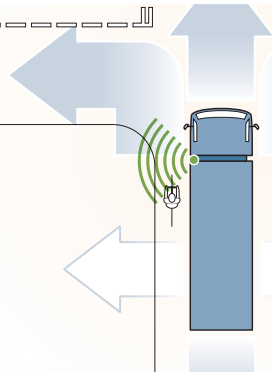
Brigade's range of safety systems meet a host of health and safety and legislative requirements. Designed to assist both driver and vulnerable road users, they can eliminate blind spots, to prevent costly vehicle damage and, more importantly, save lives.



Ultrasonic Obstacle Detection

Four-sensor Sidescan® system informs driver of distance between vehicle and obstacles, whether moving or stationary.

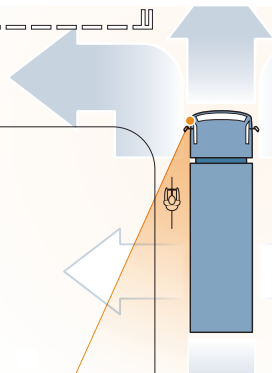
Triggered by the indicator and enabled below a set speed to avoid unnecessary activation.



Warning Alarms

Vital real-speech safety device to warn cyclists and pedestrians that a vehicle is turning left.

Used in conjunction with side sensors, it is triggered by the indicator and enabled below a set speed to avoid unnecessary activation.

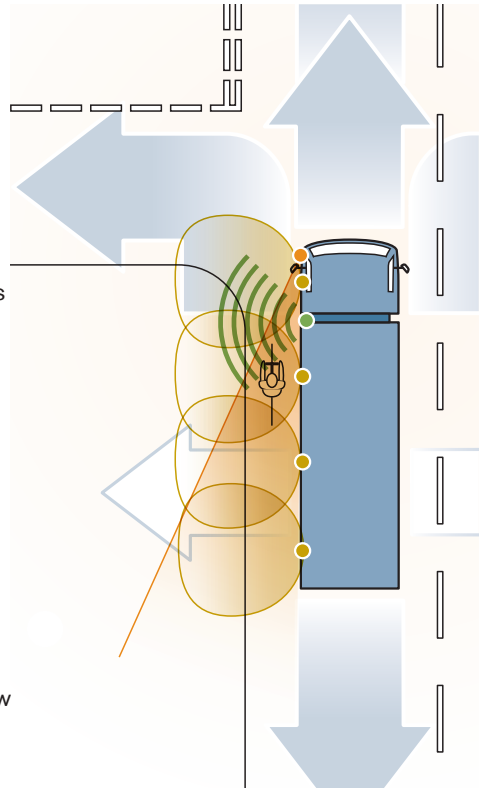


Camera Monitor Systems

A side view camera added to a camera monitor system will allow the driver to see the nearside blind spot in the monitor.

A dedicated side view can be triggered by the indicator, giving the driver a clear view of cyclists or other vulnerable road users.

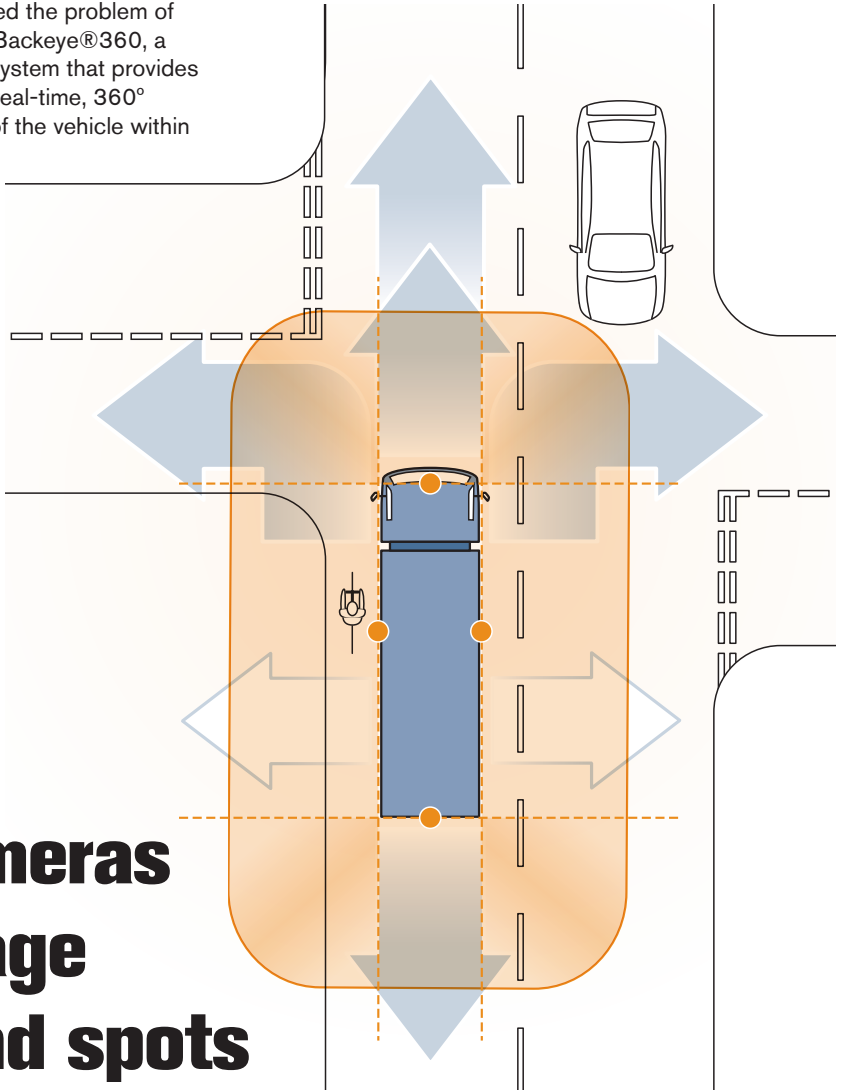
Protecting the cyclist



Backeye® 360 Camera Monitor Systems



Brigade has solved the problem of blind spots with Backeye®360, a camera monitor system that provides the driver with a real-time, 360° 'birds-eye' view of the vehicle within a single image.



4 Cameras
1 Image
0 Blind spots

Designed to assist low speed manoeuvrability, Backeye®360 saves the driver having to process information from several mirrors or monitors in quick succession, making it easier to spot and assess possible hazards.

Ultrawide-angle cameras mounted on the front, sides and rear of the vehicle capture the surrounding areas of the vehicle including all blind spots. Simultaneous digital images from these cameras are then processed to eliminate fisheye camera distortion and 'video stitched' resulting in a 360° single image, delivering a clear, real-time picture on the driver's monitor.



Driving Global Safety



Brigade is committed to making roads and worksites safer for all.

We introduced the very first reversing alarm to Europe in 1976 and continue to lead the way in vehicle and plant safety, pioneering, developing and patenting new technology. We strongly believe in a complementary range of passive and active systems to prevent collisions, warn and assist the driver and protect workers, pedestrians and cyclists.

Founded in the UK, Brigade now has a network of worldwide subsidiaries, joint venture companies

and partnerships with approved international distributors, all chosen for their high level of service and expertise in vehicle safety. We can provide a solution for a specific problem or offer friendly advice if you are new to vehicle safety systems.

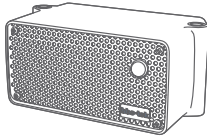
Wherever you are in the world, large vehicles continue to be a danger. Thankfully, Health & Safety culture is gradually improving to help combat these dangers, whatever the local obligation, there is no excuse for compromising on safety.

Stay safe. Fit Brigade

White Sound Warning Alarms

bbs-tek®

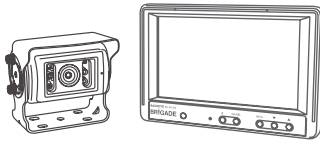
White Sound® alarms are the safest in the world and do not cause a noise nuisance. Options include smart alarms, which adjust to the ambient noise level.



Camera Monitor Systems

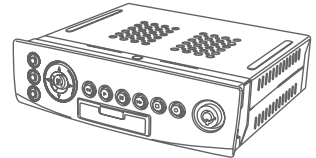
Backeye®

Can help eliminate driver blind spots. Meets a host of on and off road health and safety and legislative requirements.



Mobile Digital Recording

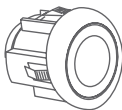
Digital recording system provides high quality video and data records. Connects to Brigade's camera monitor systems.



Ultrasonic Obstacle Detection

Frontscan® Backscan®
Sidescan® Cornerscan™
Stepscan™

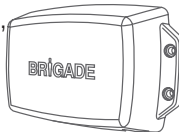
Sensor systems inform driver of distance between vehicle and any obstacles, whether moving or stationary. Invaluable when manoeuvring at low speeds.



Radar Obstacle Detection

Backsense™

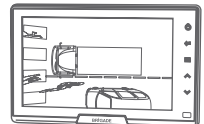
Robust long range sensor systems for harsh conditions. Informs driver of distance between vehicle and obstacles. Suitable for construction, mobile plant and refuse vehicles.



360° Camera Monitor Systems

Backeye®360

Intelligent camera monitor system that provides the driver with a 'birds-eye' view of the vehicle. 4 camera images are processed into a single, real-time picture on the driver's monitor.



Zenith Engineering Pte Ltd
34 Joo Koon Circle, Singapore 629060
Tel:(65) 68611100 Fax:(65) 68621948
Web: www.ze.com.sg | Email: info@ze.com.sg

brigade-electronics.com