

## ENTRY LEVEL PROGRESSIVE SAFE SYSTEM



MOIS Camera



Drivers Blind Spot Vision Camera



Vulnerable Road User Detection Camera



Left Turn Manoeuvring Alarm



Reverse Camera

This system meets Progressive Safe System Requirements.

This system includes cameras with built-in Vulnerable Road User Detection that meet the MOIS and BSIS Technical Requirements.

The System also includes a 7" Monitor (9" is an option), Drivers Nearside Blind Spot Camera, Left Turn Manoeuvring Alarm and Rear Camera (Optional on Artics).



This system can also be connected to an additional camera if required so an Offside camera, or Front incident camera, can be added to the system (If a Reverse camera is not required, both Front and Offside Camera can be connected). The Monitor has built in SD card Recording,

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**PROGRESSIVE  
SAFE SYSTEMS**



## The Progressive Safe System

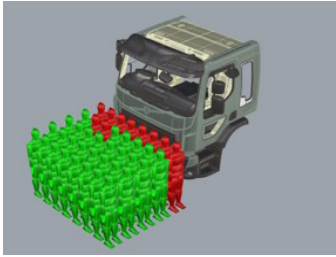
From October 26th, 2024 to enter Greater London all vehicles over 12 Tonnes must have a DVS Star rating of 3+, or be fitted with a Progressive Safe System (PSS).



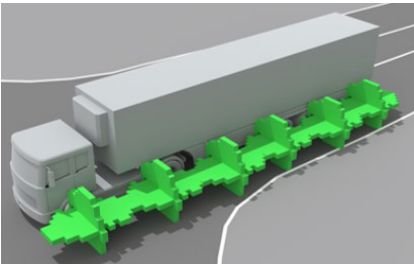
There are 2 main changes to the current Safe System specification that will be required

### Moving Off Information System (MOIS)

This is a new requirement and a MOIS system must be fitted that alerts the driver to any Vulnerable Road Users that are immediately in front of the vehicle and are not in the drivers direct vision.



### Blind Spot Information System (BSIS)



This is an update of the current nearside blind-spot detection requirements. The main changes being that it will be required that the BSIS will not be activated by road side furniture and must detect cyclists undertaking the vehicle with a high speed differential.

## Vision PSS GOLD System

8 Channel High Recording Resolution DVR

Front Witness Camera

7" Heavy Duty Monitor

MOIS Camera

"Blind Spot" Side Cameras

Left Turn Manoeuvring Alarm

Vulnerable Road User Detection Camera

Heavy Duty Rear Camera

For more examples of typical PSS Installation please click on the following link:

<https://vision-uk.co.uk/view/systems-to-meet-tfl-progressive-safe-systems-october-2024/>

Links to Videos Examples:

Articulated Tractor Unit ([https://youtu.be/3\\_bA1zLsT6c](https://youtu.be/3_bA1zLsT6c))

Construction Vehicle (<https://youtu.be/ueDame7VG0U>)

Delivery Vehicle (<https://youtu.be/LWxLkfrO9Kc>)

Low height Box Van (<https://youtu.be/thkxqVb80Ho>)

## Vulnerable Road User Detection (VRUD) Cameras

To ensure that our systems meet the technical requirements of the Tfl Direct Vision Standard we recommend that in addition to the blind-spot detection provided by the DVR we add an additional dedicated VRUD Camera.



The benefit of these cameras is that they identify VRU's extremely quickly and can alert the driver to the approach of even the fastest moving cyclists undertaking as they approach the rear of the vehicle.

Furthermore, these cameras work at very low light levels and have a long detection range so can detect vulnerable road users approaching the rear of the longest vehicles (including trailers).

The camera only detects pedestrians, cyclists and motorcyclists and will reliably detect VRU's filtering between traffic. As they do not rely on detecting movement they will also alert the driver to the presence of pedestrians and cyclists in close proximity to the vehicle. This make them an ideal technology for use on construction sites.

