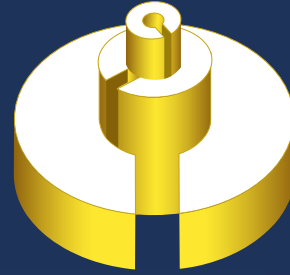
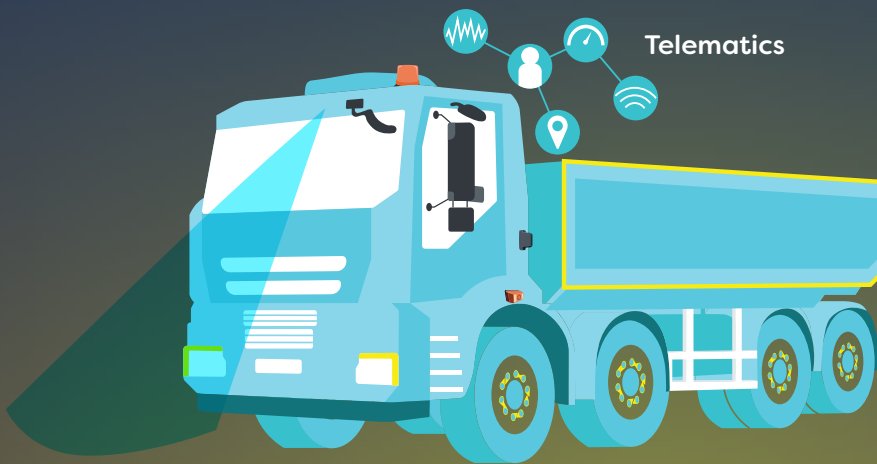


CLOCS-A

Heavy Vehicle Gold Standard



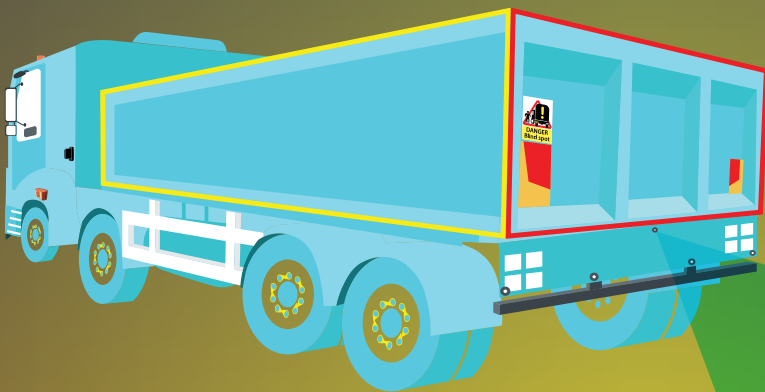
The highest standard of equipment that is being sought for heavy vehicles complying with CLOCS-A technical requirements. Encourages leading safety technologies & to future-proof vehicles. Accreditation to Gold also requires prior accreditation to Silver.



Telematics

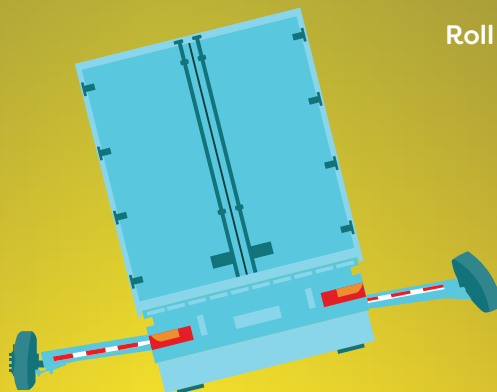
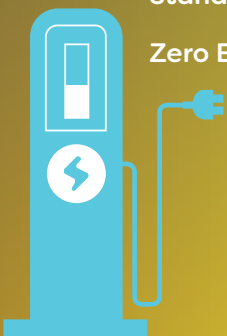
Electronic Stability Control – Trucks

Advanced Emergency Braking



Autonomous Reverse Braking

ADR 80/04 Emission Standard (Euro VI)
or
Zero Emission Vehicles



Roll Stability Control – Trailers

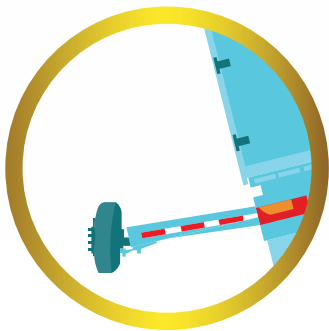


Telematics

Fit a telematics system to the truck with position monitoring, driver behaviour monitoring and fatigue management.

Pro: Telematics can offer advantages in terms of vehicle tracking, communications, scheduling, route optimisation, fatigue management and driver safety monitoring as well allow drivers to concentrate more on the driving and less on the distractions.

Con: Telematics can have some significant initial and on-going (monthly) costs. Systems will always require maintenance and upgrades.

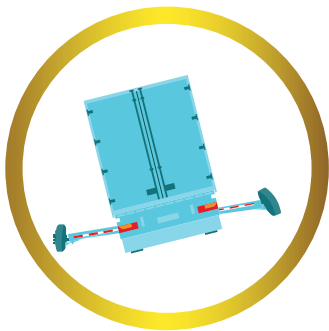


Electronic Stability Control – For Trucks

Have trucks fitted with an Electronic Stability Control System (ESC).

Pro: If a driver enters a corner too fast for the conditions, an ESC system will automatically intervene and help to prevent a rollover or at least reduce the severity of an incident.

Con: ESC cannot prevent all rollover crashes.



Roll Stability Control – For Trailers

Where a trailer is included in a heavy vehicle combination, have the trailer equipped with a Roll Stability Control System (RSC).

Pro: If a driver enters a corner too fast for the conditions, a Roll Stability Control system will automatically intervene and help prevent a rollover or at least reduce the severity of an incident.

Con: Relatively expensive compared to other measures.

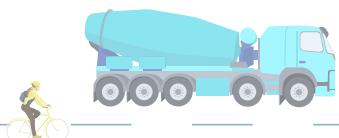


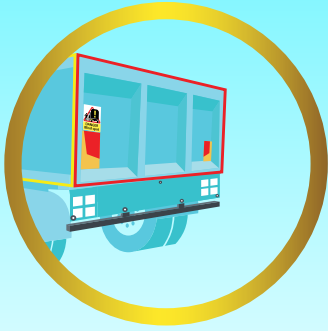
Advanced Emergency Braking

Have trucks fitted with an Advanced Emergency Braking System (AEBS).

Pro: Helps to reduce the likelihood of the truck running into a vehicle or object in front of it and mitigates incident damage.

Con: The system cannot be retro-fitted.





Autonomous Reverse Braking

Have trucks fitted with an Autonomous Reverse Braking system (ARB).

Pro: Autonomous Reverse Braking helps to prevent collisions when reversing with VRUs or objects.

Con: It is important that drivers should not become over-reliant on such systems and remain vigilant.

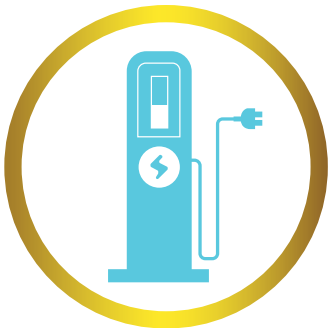


ADR 80/04 Emission Standards (Euro VI)

The use of trucks fitted with engines that comply with ADR 80/04 (Euro VI) emission standards.

Pro: Using new vehicles complying with ADR 80/04 emission standards will contribute to a reduced incident of disease and premature deaths attributable to air pollution.

Con: Adds to the purchase price, complexity and tare weight of a new truck and takes up some extra chassis space.



Zero Emission Vehicles

The use of trucks with a zero-emission drive train.

Pro: Better air quality (by the elimination of both toxic emissions and greenhouse gases), reduced noise pollution and the ability to deliver into the city and residential areas at night due to the silent engines.

Con: Higher tare weights and purchase prices, limited availability and suitability for some applications, limited range and limited recharging points.

