Safeguard the road ahead.

Discover our advanced safety systems.

Mercedes-Benz

Trucks you can trust

Driving truck safety forward.

Mercedes-Benz Trucks has always endeavoured to provide greater safety for all road users, improve driving comfort and actively support the driver and the vehicle. Trucks that are safe are not just an important development to protect drivers, their loads, and other vulnerable road users; they are also more efficient, because they help to relieve the driver's workload and are less often put out of action by accidents.

We have been pioneering world-leading safety systems for the last 125 years and will continue to do so into the future. With advanced technologies such as the new MirrorCam[1] system, enhanced Active Brake Assist, and the electronic parking brake, Mercedes-Benz Trucks ensure a high level of safety on the road and offer additional support to help both the vehicle and the driver arrive at their destination safely and efficiently every time.

[1] MirrorCam is an optional piece of equipment.

Greater safety for every journey.

In addition to our trucks promising lower total costs and maximised use, our latest generation of vehicles also come with innovative assistance systems that boast an even greater emphasis on keeping both the driver and other road users safe.

Overseas model shown.

Active Drive Assist 2. The new features of Active Drive Assist 2 makes a major contribution for road safety. This exciting innovation introduces partially autonomous driving by integrating and extending the functions of separate systems, including advanced radar and camera technology from Active Brake Assist 5, Proximity Control Assist, Lane Keeping Assist and Lane Departure Protection.

It is available for certain models and assists the driver with a stop-and-go function, autonomous braking and acceleration, helps the vehicle maintain a safe distance, actively steers the vehicle to help maintain its position within the road markings and, should the vehicle unintentionally leave the lane, can also automatically steer it back. Overall, it offers a higher level of driving comfort and increased safety, particularly during long journeys and when driving on congested roads. It also helps the driver achieve an efficient, fuel-saving driving style.

Overseas model shown.

Multimedia Cockpit. This new state-of-the-art workplace features two screens for enhanced driving comfort, ergonomics and ease of operation.

The traditional instrument cluster is replaced with a primary colour display and a secondary Multi-Touch-Display which can be operated via the upgraded multi-function steering wheel with Touch Control Buttons.

The Multimedia Cockpit provides a clear display of all driving and vehicle information, giving the driver safer and more convenient access to a range of system functions and controls. This provides a more relaxed and efficient driving experience overall, especially during long-distance haulage.

Proximity Control Assist. Proximity Control Assist maintains the set desired speed similarly to the manner in which conventional cruise control works on free stretches of road. It can be set to any speed above 0 km/h. The system monitors the traffic situation using a front mounted radar and reacts to the changing driving situation using the integral cruise and braking speed control.

It adapts the speed and proximity of the vehicle according to the distance set by the driver via the multi-function steering wheel. In addition to that, Proximity Control Assist features a stop-and-go function which slows down the truck automatically, to a standstill, in stop-and-go traffic. This reduces stress on the driver during long-haul driving or when approaching heavy traffic.

MirrorCam[1]. For improved visibility and even greater safety.

MirrorCam[1]. In place of large conventional rear-view mirrors, Mercedes-Benz Trucks can now be fitted with the innovative, aerodynamically sophisticated MirrorCam[1]: featuring small, high-resolution digital cameras that are mounted on the upper roof frame. This saves fuel and offers the driver an unobstructed view in the front, plus enhanced visibility to the rear and around the A-pillar.

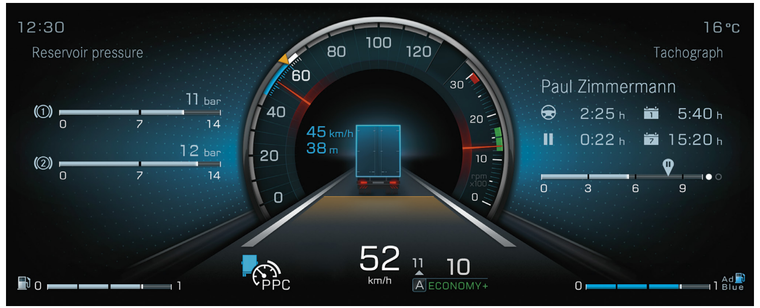
To assist the driver even further, MirrorCam[1] offers several automatic functions and display modes including wide-angle views, distance indicator lines and warning alerts. This is especially helpful when approaching intersections and roundabouts, turning and lane changing, or when manoeuvring or taking curves.

[1] MirrorCam is an optional piece of equipment.

Active Brake Assist 5 with pedestrian detection. The fifth generation of the system builds upon our tried-and-tested autonomous emergency braking feature. It uses a fusion of radar and digital camera images to monitor the current traffic situation and respond to risks of collision. The system will issue acoustic and visual warnings; and assist the driver by carrying out braking in response to certain conditions.

Active Brake Assist 5 will initiate a full application of the brakes if stationary and moving objects are detected. It is now also able to perform partial or full application of the brakes in response to moving or halted pedestrians – thus assisting to reduce the severity of accidents or helping to avoid accidents altogether.

Active Brake Assist 5. The latest-generation Active Brake Assist is even more effective in helping to prevent accidents. Overseas model shown.



Lane Keeping Assist. Lane Keeping Assist uses a built-in camera to monitor the position of the vehicle in its lane, and uses acoustic and visual warnings to alert the driver as soon as the vehicle leaves its lane unintentionally. The system becomes active automatically at a speed of 60 km/h or more; and can distinguish between continuous and broken lane markings.

If the truck unintentionally leaves the lane, an audible sound is heard from the left or right speaker, depending on the direction in which the vehicle deviates from the lane. In addition to that, the two-lane markings of the lane are shown on the instrument cluster. When the vehicle unintentionally leaves the lane, the marking over which the vehicle is passing is coloured red. In the case of intentional lane changes, initiated by indicating or by braking, Lane Keeping Assist will not issue a warning.

Attention Assist. Long distance drives mean that there is an increased risk of driver fatigue. Attention Assist boosts safety in this area by analysing when the driver's behaviour changes, by detecting declining attention levels. The system monitors several variables, such as lane keeping, steering behaviour, driver activities, length or journey and driving time.

If Attention Assist observes declining attention levels or driver fatigue, the system will send an acoustic warning in the cab and display a message on the instrument cluster, recommending that the driver take a break.

Electronic Parking Brake with HOLD function. The Electronic Parking Brake provides easier handling and greater safety overall. It is automatically activated in certain pre-conditions, for example, when the engine is turned off or when the driver's door is open while the truck is running; but it can also be turned on and off manually by operating the lever in the cockpit.

The integrated HOLD function is activated when the driver presses on the brake pedal firmly and the vehicle comes to a standstill, for example at a red traffic light or on an uphill gradient. It is released as soon as the accelerator is pressed again. This assists in avoiding the danger of the vehicle rolling back when taking off on an uphill gradient.

Parking brake, electronic. The electronic parking brake combines simple handling, driving comfort and safety.

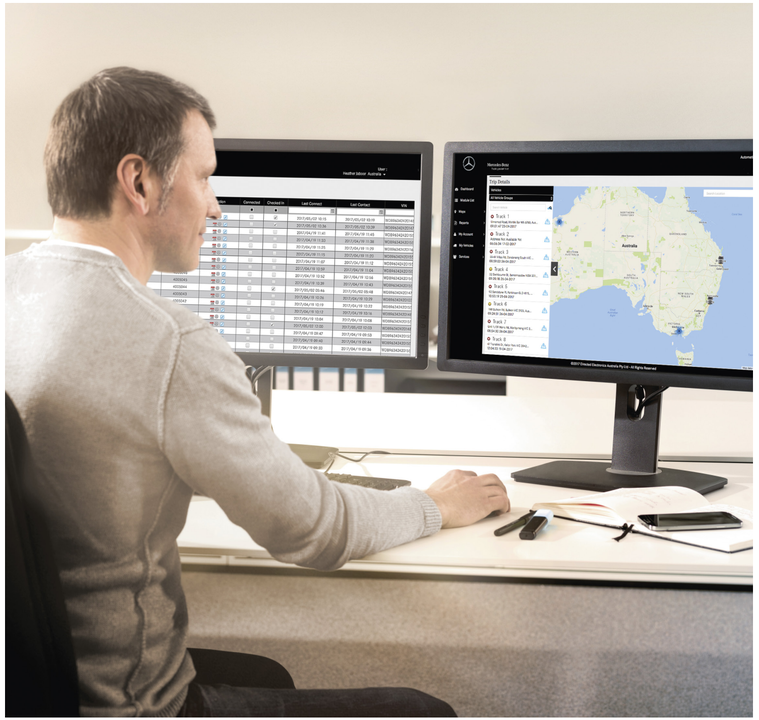
Mercedes PowerShift 3 gear box. Mercedes PowerShift 3 is an electronic system that automates and controls clutching and shifting operations. It relieves the driver of having to perform routine tasks, and ensures high driving comfort, precise gear selection, efficient power transmission and enhanced handling.

This automated gearshift has a steering column and mounted gear shift. The system applies sensitive sensor technology for gear shifting to optimise the gear selection in accordance with the given driving and load situation. The gear changes are performed by means of a constant-mesh transmission and dry clutch, while the automated gearshift is operated through the steering-column lever.

Mercedes-Benz Telematics. With GPS technology, and proprietary software specifically designed for the Australian and New Zealand markets, Mercedes-Benz Telematics provides detailed fleet information, such as vehicle location, driver behaviour and engine status, to service and accident alerts in real-time.

The direct connection into the vehicle's Fleet Management System (FMS) interface allows operators to easily monitor the status of each truck, diagnose issues and plan for maintenance. It ensures that the vehicle is running at its safest and most optimum operating condition, thus reducing the risk of breakdown and emergency repairs.

Telligent® Maintenance System. The Telligent® Maintenance System monitors all vehicle components for any service requirements or faults. Messages are displayed via the Multimedia Cockpit screens and serves as a prompt for the driver or operator to schedule maintenance or repairs.



Telematics. All the information you need is easily accessed via a desktop portal, or mobile app including real time tracking, with instant notification of issues. Available on both Android and iOS platforms.

Smarter and safer than ever.

Anti-lock Braking System (ABS). ABS enables steering manoeuvres during emergency braking, by detecting individual wheel speeds and controlling the braking pressure so that the wheels do not lock. This minimises the probability of the truck sliding or skidding during heavy braking. In addition, ABS helps prevent articulated trucks from being jack-knifed or trailers being broken away during braking.

High performance engine brake. The optional three-stage brake system reduces wear on the service brake, while enhancing safety and control of the vehicle. The driver can activate the engine brake in stages to decelerate the vehicle by moving the lever to the right of the steering column. By decompressing the engine cylinders, a braking effect is applied to the driveline and decelerates the vehicle. This ensures the service brakes are cool and ready for use after driving down a steep descent.

Electronic Brake System (EBS). Disc brakes fitted with brake pad wear indicators work alongside EBS to improve safety while braking. EBS detects what's going on with each individual wheel set and controls the brakes. The braking pressure required is determined by the brake pedal position, vehicle load, speed, and brake wear of individual wheels.

Hill Hold Assist. When driving on uphill or downhill gradients, the HOLD function prevents the vehicle from rolling and facilitates controlled take off on an incline. If the HOLD function is on when the vehicle comes to a complete stop, the hill holder will activate and apply the service brakes. It holds the vehicle for a short time after the driver releases the brake pedal, giving the driver enough time to switch to the accelerator pedal and depress it before the vehicle begins to roll.

Independent trailer brake. The independent trailer brake can function independently to the truck brakes; and only applies brakes to the wheels on the trailer/semitrailer. Using the independent trailer brake can help stabilise the vehicle in certain driving conditions, for example when performing adaptive braking on downhill gradients, or preventing the vehicle combination from jack-knifing. It is activated when the driver pulls the trailer brake lever to apply the trailer brakes.

Coupling Assist[2]. With the addition of a sensed turntable, Coupling Assist[2] can provide the driver with confirmation that the trailer is coupled correctly and ensure the vehicle and load are treated with sufficient care. The proximity sensor informs the driver the turntable is now in contact with the trailer skid plate; while a coupling lock sensor informs the driver when the coupling is now locked.

[2] Only available when equipped with a sensed turntable.

Electronic Stability Program (ESP). ESP reduces the risk of skidding, jack-knifing, or overturning of the vehicle in critical situations, for example in the event of emergency braking, sudden evasive manoeuvres or excessive cornering speed. The system identifies situations such as understeering, oversteering, or vehicle tipping; and assists in controlling the vehicle with brakes and engine power adjustment.

Stability Control Assist. Stability Control Assist identifies situations such as skidding or swerving and assists in avoiding these consequences from taking place. This can prevent dangerous driving situations, thus providing increased safety for the driver and other road users.

Traction Control System (ASR). Traction Control System (ASR) is an electronic system that uses the same sensors as the Anti-lock Braking System (ABS) to reduce or prevent wheelspin. The system selectively controls the tractive force at the drive wheels when driving on slippery ground to help regain traction. ASR assists in reducing wear and lowers maintenance costs, since the system actively helps protect the drivetrain.

Speed limiter function. With the speed limiter, the driver can set a variable maximum speed which the vehicle will not exceed. This provides greater safety in built up areas and relieves the driver of having to constantly monitor speed limits.

Axle-load measuring device. Mercedes-Benz Trucks are fitted with central axle-load measuring system to provide a continuous indication of the current load status and the gross weight of the individual axles, displayed on the dashboard. The load is calculated using air pressure in the airbags and offers an easy display of the axle load without the need to retrofit aftermarket scales.

Automatic circuit breaker. When an electrical short circuit occurs, the fuse will open. The fuse can then be reset after the short circuit is repaired. This allows for easy resetting of fuses without having to replace the fuse.

Tyre pressure monitor. The wireless tyre pressure monitoring system on the front and rear axles is an electronic safety system which permanently monitors the air pressure of all tyres on the towing vehicle as well as on the trailer/semitrailer. When the system detects a loss of tyre pressure, a warning will be displayed on the instrument cluster. This helps the driver ensure the correct tyre pressure, which ultimately contributes to driving safety and reduced fuel consumption.

Comfort and safety in perfect harmony.

Front and side look-down mirrors. Wide-angle convex mirrors mounted outside the cabin gives the driver increased all-round visibility. The front mirror gives the driver clear view of the front of the vehicle, while the side mirror gives the driver a clear view of the left side of the vehicle.

Reverse manoeuvring mirror. The driver can use the passenger side mirror for an improved field of view while reversing. The mirror position can be adjusted while the reverse gear is engaged.

Air horn. The pneumatic air horn provides a clear and loud warning for other road users. It can be mounted on the roof or under the cab; and is activated when the driver pushes on steering wheel.

Wide-opening doors with full-length handles. The wide opening doors on the driver and passenger side, along with the highly visible grab handles, provide the driver with easy access to the cab.

Touch screen navigation system. The innovative navigation system featuring B-Double route mapping provides truck-specific dynamic route guidance and live traffic information, all conveniently presented on the primary display.

Comfort suspension seat. Fully adjustable, heated, air-suspended seats are designed to meet the driver's ergonomic requirements, while providing a high level of comfort – therefore reducing the driver's fatigue and stress. The comfort suspension seat is equipped with heating, pneumatic height adjustment, seat cushion angle and depth adjustment, an integrated headrest and an integrated seat belt.

Comfort suspension seat. Featuring a large adjustment range; lengthwise up to 250 mm, heightwise up to 120 mm.

Cascading non-slip steps. Getting in and out of the vehicle is both safer and easier with the cascading non-slip steps. Similar to a staircase or a ladder, each individual step is offset from the next, so if the driver's foot misses a step, it will likely land on the next. In addition to that, the surface on which the driver stands is designed to prevent slips.

Integrated seat belt. The integrated, height-adjustable 3-point automatic seat belt comes complete with monitoring and belt pre-tensioner for even greater comfort and safety. As a precautionary measure, an acoustic and visual warning is triggered when the driver's seat belt is not engaged. The seat belt pre-tensioner will tighten and secure the driver when a collision is predicted, or when heavy braking occurs.

Instrument cluster with camera input function. For greater visibility overall, the truck can be pre-wired for easy installation of cameras, which can be displayed on the digital instrument cluster through the secondary Multi-Touch-Display screen.

Flame-resistant materials. The spacious cabin interior is specially designed with flame-resistant material and non-splintering trim. This provides enhanced safety for the driver and crew members – reducing the chance of the interior catching fire or splintering off in the case of an accident.

Tinted windscreen with filter band. The tinted and thermally insulating windscreen provides effective protection against strong sunlight, keeping the cabin cooler during warmer weather and ensuring the driver is more comfortable on the road.

Driver's airbag. The SRS airbag is mounted in the steering wheel and is deployed when a critical deceleration rate is reached. It is designed to work in conjunction with the seatbelt to provide additional safety for the driver.

Smoke alarm. A smoke alarm which is mounted in the cabin will provide an acoustic warning to the driver when smoke is detected.

Enhanced visibility all around.

LED daytime running lamps. In conjunction with standard headlamps, the LED daytime running lamp with integrated turn signal lamp helps to improve recognition of the vehicle during the daytime for added safety. In addition, the lamps are dimmed automatically when low beam is switched on.

High/low beam and cornering light. This optional headlamp system contributes to enhanced safety through improved illumination of the highway. In addition to the LED daytime running lamps, it also comprises automatic high/low beam, an automatic cornering light and a front fog lamp. When turning, the fog lamp on the inside of the bend is activated automatically according to the steering movement and vehicle speed, thereby illuminating the curve area more effectively. Automatic activation and deactivation of high beam additionally supports driving comfort and driving safety.

LED tail lamps. The robustness and durability of the specially designed LEDs contribute to added safety while also contributing to low maintenance and repair costs. In addition to the turn signal lamp, brake light and rear light, this equipment also includes the tail lamp, licence plate lamp, rear fog lamp and the clearance/side marker lamps.

Bi-xenon headlamps. Both the dipped and, especially, the main beam headlights benefit from the high light output of the optional bi-xenon lamps, which also use less energy than the standard headlights.

Front fog lamp. For greater visibility and safety when driving in fog, the lamp is designed to project a wide and low beam of light with a sharp cut-off at the top to prevent it from reflecting off the fog.

Light and rain-dependent automatic controls. The light sensor at the front of the truck ensures that during low light conditions, the headlamps are automatically switched on. The windscreen wipers are switched on and controlled automatically in wet weather; and depending on how heavy the rain is, the sensor selects intermittent or constant wiping. This relieves the driver of additional tasks and provides essential support when faced with poor driving conditions.

Automatic hazard warning lights under emergency braking. Both driver-initiated or system-initiated heavy braking will automatically activate the hazard warning lights, or prompt operating hazard lights to flash at a higher frequency than normal. This gives an additional warning to the vehicles behind the truck that it is rapidly slowing down or coming to a stop.