



The Unimog.

More Energy whatever the Terrain.



Mercedes-Benz
Trucks you can trust

Vehicle Concept.

Moving mountains. Unimog.

The Mercedes-Benz Unimog is in a league of its own: It combines versatility, speed and outstanding off-road traction. The Unimog can be used all year round with its versatile front and rear attachment and body-mounting areas and quick change implements. The reduced net weight and compact dimensions enable it to operate on soft ground and where space is limited. And it comes up to all the requirements needed for operations in the energy sector: as a combined work and transport vehicle in one. Wherever maintenance work or repairs need to be carried out in the energy industry in extreme conditions and under sustained cost pressure, the Unimog allows work resources to be used efficiently and quickly.



The Unimog Model Ranges.

Two versions, each in a class of its own.

The Unimog is impressive in its versatility and operational reliability and it is a perfect solution for quick and economical transport directly to the place of deployment. This is true both of the extremely mobile Unimog U 4000/U 5000 and the versatile and compact Unimog U 400/U 500 implement carrier. Both model ranges feature tough, proven technology and an application-specific frame design, all-wheel drive, single tyres, portal axles for high ground clearance, trusted Euro 3/5 engines and the special Unimog transmissions that enable the vehicle to be driven at speeds from 1 to 90 km/h.

The off-road Unimog U 4000/U 5000: Thanks to its compact dimensions, a small cab and a low overall height, the off-roadable Unimog can get straight to its destination even where space is at a premium. The vehicle's excellent ground clearance, all-wheel drive with differential lock, special off-road chassis and large-volume tyres help protect the soil and allow the vehicle to cope easily with difficult terrain. To protect the body and preserve the Unimog characteristics, torsion-free fastening points are offered ex factory.



Unimog with digger derrick for mast erecting.

The versatile Unimog U 400/U 500: With four attachment and mounting areas, standardised interfaces for implements and drive elements as well as a heavy duty mechanical front PTO, it is the professional off-road implement carrier for extreme flexibility and cost-effective running. A whole range of different implements can be attached quickly and easily as required and operated by the Unimog, including cranes, cable winches, wood chippers and snow-clearing equipment, as well as pumps and generators.



Maintenance of overhead lines in rough terrain.

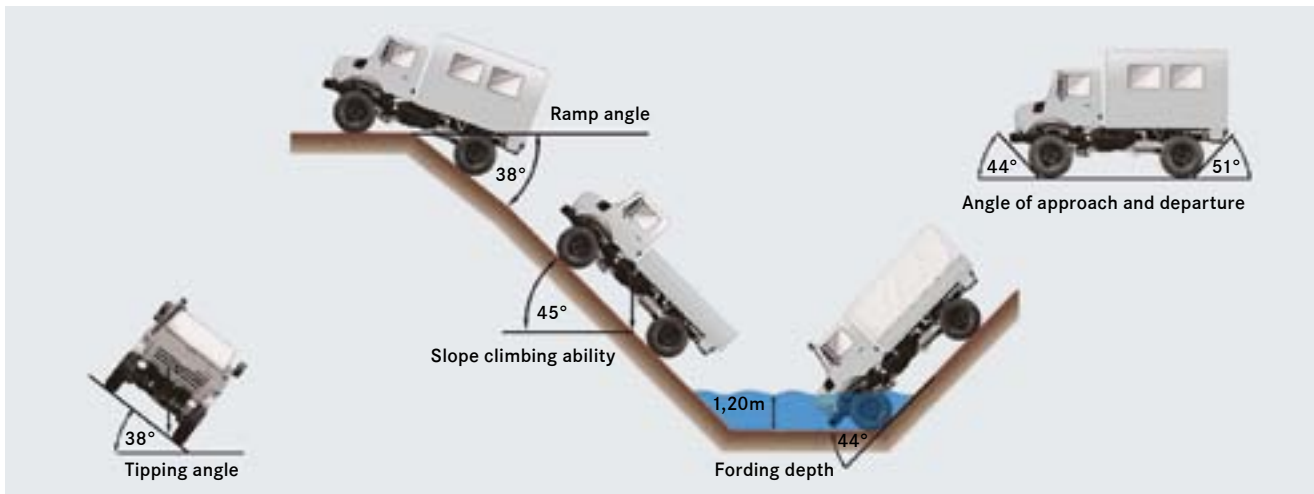
The Unimog Concept.

Superior chassis concept.

Whether over muddy ground during opencast mining, sand and scree during exploration operations or on sealed roads for maintenance work: The Unimog will always take you wherever you want to go. This is due to a chassis concept developed specially for off-road driving, which is not offered by any other manufacturer worldwide and which adds completely new dimensions to your operational strength and diversity. Its unusually high ground clearance, wide angles of approach and departure, extreme climbing ability, excellent traction and top speeds of up to 90 km/h on surfaced roads mean that you and your crew will always arrive quickly and reliably at your destination, wherever it may be. The large-volume tyres reduce soil compaction and damage to vegetation to the greatest possible extent during off-road operations.



Thanks to its deep tyre treads, differential locks and tyre pressure control system the Unimog is a reliable vehicle for opencast mining operations.



The Unimog gets safely to every job with its wide angle of approach and departure at front and back, extreme climbing capability and fording ability up to 1.20 m.

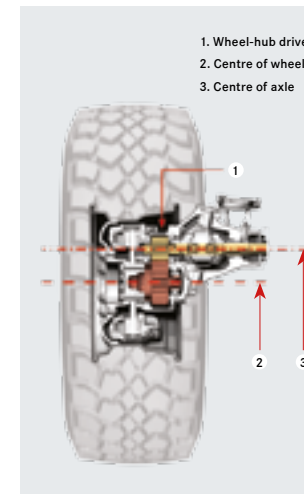
All-wheel-drive. With its engageable all-wheel drive, differential locks in both axles and torque tube technology, the off-roadable Unimog guarantees reliable progress and maximum traction over tough terrain. In addition, the special axle suspension with torque tube, transverse link and coil springs ensures all four wheels remain constantly in contact with the ground.

Single tyres. The Unimog's single tyres allow the rear wheels to run in the compressed track of the front wheels. Advantage: there is less rolling resistance and more traction due to the interlocking tyre profiles. The large surface contact area makes sure there is less pressure on the surface of the ground and thus less damage to farmland.

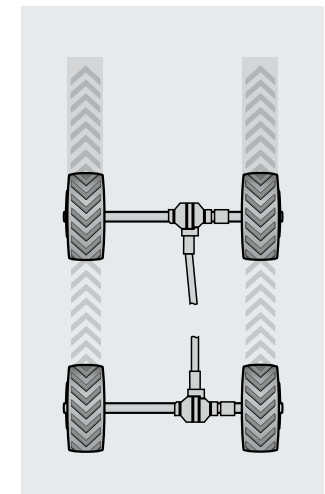
Portal axles. The axle housing tube and differential of the portal axles are located above the centre of the wheel, thus giving extremely high ground clearance so that it is child's play to drive over even larger obstacles of up to 45 cm. The narrow track also makes it possible to have a narrow body traction.

Tyre pressure adjustment. Goes easy on both ground and tyres and saves fuel: Just press the button, and the tyre pressure control system Tirecontrol immediately reduces the pressure for either one or both axles – and that while the Unimog is still on the move, from the driver's seat. And the Unimog does not sink as deeply into soft ground and can make use of its full traction. At the same time, the lower tyre pressure increases the surface contact area thus lessening damage to farmland and ground compaction. Once back on the road, however, a higher pressure lowers tyre wear, fuel consumption and the rolling noise of the wheels.

Fording ability. Water courses or flooded areas are no obstacle for the Unimog. Thanks to its torque tube technology, air-intake pipe at the height of the cab roof and waterproofed units, in the standard version it can ford up to 80 cm – as an option, 1.20 m is also possible. And it can ford in absolute safety as transmission and axles are protected from water seepage and extremely fine sand.



Portal axles provide high ground clearance even over difficult terrain.



Its single tyres increase the traction with low rolling resistance.



You can adjust your tyre pressure by pressing a button with Tirecontrol.



All special units and electronic devices keep dry when driving through water.

The Unimog in the Energy Sector.

The Unimog in opencast mining.



In opencast mining, the Unimog is the specialist for very varied jobs – from fuel truck for construction plant to workshop on wheels.

The Unimog is just perfect for the challenges facing it in opencast mining. It manages to get everywhere – even to places which would otherwise only be accessible with

- Reaching your job location safely regardless of weather and exceptional conditions such as difficult, almost impassable terrain and boggy tracks
- Special opencast mining package, available ex factory, protects the Unimog from the extreme demands in opencast mining

tracked vehicles. On the job non-stop, the Unimog does a good job under extremely difficult conditions: 24 hours a day, 365 days a year.

- Suitable for various operations: as crane truck, workshop on wheels, fuel truck or with a double cab for transporting crew and materials

The Unimog for exploration and expeditions.



Driving safely over sand with large-volume single tyres.

Capable of handling arduous terrain, extreme temperatures and environments without infrastructure, the Unimog is also the ideal vehicle for exploration/expedition work.

- Safe transport for crew and materials to jobs located in impassable country – even over sandy ground with large-volume single tyres
- Minimizing tooling-up times through sufficient space on the platform for tools and equipment
- Quick and simple implement exchange through defined interfaces

The Unimog for constructing and maintaining high-voltage transmission lines.



Powerful cranes make erecting steel towers simple.

Just because electric current is flowing, it does not mean there is a road anywhere near. But the Unimog can get there with everything needed, thanks to its off-road talents.

- Quick and safely to the job location with 4WD and differential locks
- Avoiding damage to farmland with single tyres and tyre pressure control system
- Low net weight, defined interfaces and body mounting allow professional performance with a wide variety of implements

Working under high tension with the Unimog.



Relaxed working under high tension – on an insulated work platform.

Whether for maintenance or repairs under high voltage lines – as a self-drive special equipment vehicle, the Unimog can cope with each and every job. Other advantages:

- Hydraulics for operating cable winches
- Teamwork with many body manufacturers supplying insulated aerial working platforms for the Unimog
- The cost-effective alternative for cleaning, maintenance and repair jobs under high voltage lines: working safely without switching off the power grid is possible up to 60 kV

The Unimog for pipeline construction and pipe-laying.



Its versatility makes the Unimog an all-round expert in pipeline construction.

Gas, oil, water, electricity – the Unimog achieves a lot for the supply of public utilities: for instance, as a transport vehicle, with mounted crane or clamshell grab or as a cable-drum truck.

- Suitable for earth moving and pipe-laying when fitted with crane, crane-winch and double-clamshell grab
- Quick transfer of materials and machines to the next construction site with fast driving features of up to 90 km/h
- Defined interfaces ex factory for mounting cranes guarantee safe and high-tech installation

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