

# Unimog. New momentum for the energy industry.



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# The Unimog. A bundle of energy.

Freedom. That's what the Unimog is all about. Freedom to negotiate any terrain. Freedom to tackle any task. And freedom to choose the right service, support and finance options.

Unlimited mobility is essential in the energy business. No matter what the task - from researching new sources of energy through mining to servicing and maintaining sprawling electricity grids - you can always rely on the versatile and multi-faceted Unimog.

The Unimog is the vehicle of choice for professional fleets. It's a one-source, one-truck solution to your needs, offering everything from excellent off-road carrier capabilities to high-performance hauling power. No matter where you want to go, the Unimog will get you there safely and economically.

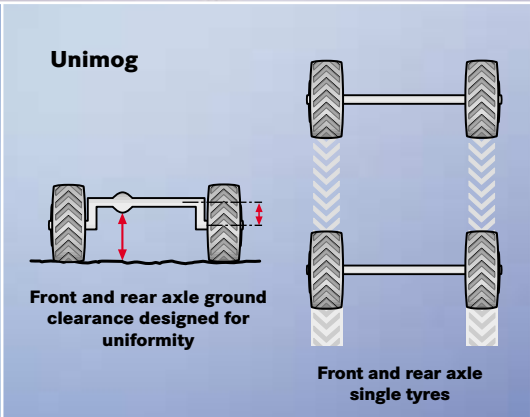
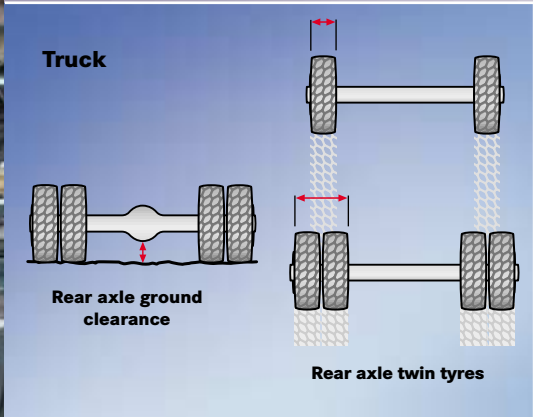
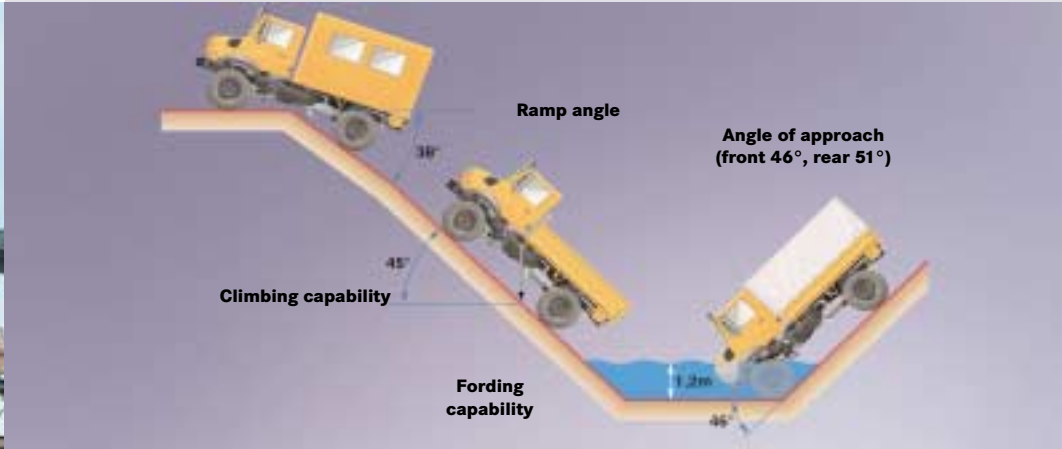




# The Unimog accelerates where others get stuck.

When the road comes to an end, that's when the compact, high-traction Unimog really kicks into gear. Over difficult terrain, wet and muddy surfaces and steep inclines. In short, anywhere and everywhere you would expect to find an energy vehicle. It's no coincidence – the Unimog was designed specially for extreme working conditions. With a superior all-wheel-drive concept, single tyres, portal axles, Central Tyre Inflation System (CTIS) and state-of-the-art engine and transmission technology.

Even fully loaded, the Unimog packs a powerful punch, making easy work out of everyday tasks with the mounted implement systems, for instance. Or getting quickly to a broken down electricity grid, keeping power outages to a minimum. No need to unload and reload additional transport vehicles with the Unimog - it quickly and safely transports indispensable measuring equipment, heavy tools, material and field staff. The Unimog is a real bundle of energy.



**Portal axles.** Thanks to the portal axle design, the Unimog axle tube and differential are centred over the wheels. You enjoy maximum ground clearance – allowing you to drive over obstacles as high as 50 centimetres with ease. You also benefit from a low centre of gravity and up to 30° axle twisting between the front and rear. Both axles are equally robust, which means they both support a high axle load. Plus the torque can be fully transmitted to both axles. You can also engage differential locks on both axles when operating at high load and when driving. This improves the Unimog's climbing ability by reducing slippage.

**Single tyres.** Unlike conventional all-wheel-drive trucks with rear-axle dual tyres, the Unimog is equipped with single tyres. This means the rear tyres can follow in the tracks of the front tyres for lower roll resistance and more traction. You can also choose from a wide assortment of tyres to fit your needs. So you are ideally equipped for every situation – whether it be on road, off-road, in snow or in a combined rail/road setting. For example, if you need to carry a heavy load, the MPT multi-purpose tyre is perfect. Or if you have to negotiate challenging terrain, deep-tread tyres provide optimal traction.

**CTIS.** Need to let out a little air while in motion? It couldn't be any easier thanks to the Central Tyre Inflation System (CTIS). Simply press the switch in the centre console and reduce the air pressure in one or both axles. You don't even have to stop. With CTIS, you can be sure that the Unimog won't sink in soft ground and that you have optimum traction (roll resistance with a 1 cm tread depth is equivalent to a 1% incline). And when you get back on solid ground, you can increase the air pressure again. This reduces tyre wear, lowers operating costs and improves driving stability and comfort.



# Answer to every task and challenge.

## Two model ranges, unlimited possibilities.

No matter how high your expectations, the Unimog never falls short. This is no off-the-shelf product. Based on your individual work and transport needs, you get to put your dream Unimog together. You can choose from two compact model ranges: the ever-versatile Unimog U 300/U 400/U 500 and the extreme Unimog U 3000/ U 4000/U 5000. Add numerous Unimog-compatible implement systems which fit onto the four attachment points located on the front mounting plate or vehicle frame (e.g. on the side between the axles or at the rear). And you end up with practically unlimited possibilities. You can even combine road and rail operation.

How about a concrete example? Because it is so short, the Unimog offers significantly more

flexibility within the 18-metre\* limit on the length of transport vehicles. It can haul two trailers or transport long construction material, pipes and cable reels to the site on special trailers. But that's not all. The Unimog gets to the site more quickly thanks to powerful traction and fast motorway speeds (of more than 80 km/h). The Unimog has a lot to offer – can you afford to resist?

**Performance up, costs down.** You can rely on the Unimog. Not only when it comes to tough terrain, but also when it comes to tough cost control. Firstly, the Unimog reduces your maintenance and repair expenses to a minimum thanks to long service intervals, extended operating windows and longer component durability. Secondly, the Unimog drives down

your operating costs by getting you to the site quickly and safely and getting the work finished in record time. And versatile implement drive and attachment options allow you to work more efficiently. We don't cut corners - so you don't have to.

**What's good for the environment is good for you.** Servicing work on electricity grids often means negotiating ecologically sensitive terrain. The Unimog offers you a wealth of environmentally friendly innovations to ensure you leave the surrounding countryside intact. Ranging from superior drive technologies through biodiesel-compatible engines (RME) to hydraulic systems supporting biodegradable oil, we've thought of everything. On soft terrain, wide, low-pressure tyres that

diminish vertical tyre pressure, reduce tracks and minimise ground damage. It can't do you any harm to check out the difference. You'll certainly notice cost savings through the reduction in costly settlements for environmental damage.

\* varies from one country to another





# Electricity.

The Unimog never falters – even when loaded with the heaviest cranes or drilling equipment. With the Unimog, you can operate winches and generators with ease and get your aerial platforms exactly where you need them. No electricity grid challenge is too big for the Unimog.

Transmission-line construction/maintenance, overhead line maintenance  
Man basket, aerial platform  
Crane, digger  
Pole erecting device  
Service vehicle  
Winch, generator, air compressor

Cable laying/maintenance, underground  
Cable laying vehicle  
Trench digger, backfilling unit  
Deep drilling equipment, surface drilling equipment  
Material transport  
Hydraulic tools



# Gas, water, oil.

When the going gets tough, the Unimog gets going. Whether in extreme off-road terrain, on soft ground or on snow-covered roads, the Unimog transports material, equipment and field staff rapidly and safely. No gas, oil or water challenge is too big for the Unimog.

Pipeline construction/maintenance, above ground  
Crane, digger  
Service vehicle  
Winches  
Hydraulic tools

Pipeline construction/maintenance, underground  
Trench digger, backfilling unit  
Deep drilling equipment  
Material transport  
Field staff transportation

**Additional tasks**  
i.e. winches, hydraulic tools





# Mining.

Regardless of the terrain and weather conditions, the Unimog makes light work out of maintenance, cable laying and installation/construction tasks. It quickly and safely transports material, machines and field staff. No mining challenge is too big for Unimog.

Material and field staff transportation

Fuel vehicles, service vehicles, conveyor belt monitoring vehicles

Pipeline construction/maintenance (water), above ground  
Crane, digger, winches

Dual road-rail operation

Snow and ice services on-site

On-site firefighting service

# Service.

To ensure you capitalise in full on the freedom and flexibility offered by the Unimog, we have developed an extensive service and support offering. Ranging from useful advice through individual fleet consultation services to fast parts replacement and customised maintenance solutions. Simply combine the services you need in your own personalised service contract. Even when it comes to financing, the Unimog delivers. Buy or lease? Short or long term? The choice is yours. And don't forget, you also have access to an extensive global service network. With the Unimog, help and advice is always close at hand.





# Please fax completed form to: +49(0) 721-82816-11

I'm interested in learning more about what Unimog can do for my business.

► Please contact me to arrange a personal consultation.

► I am not responsible for our fleet. Instead please contact:

Mailing address \_\_\_\_\_

Name \_\_\_\_\_

Postal code and city \_\_\_\_\_

Position \_\_\_\_\_

Country \_\_\_\_\_

Company \_\_\_\_\_

Phone \_\_\_\_\_

► I am particularly interested in:

Cost-effectiveness

Other features/benefits

Off-road handling

\_\_\_\_\_

Environmental impact

\_\_\_\_\_

## We'd like to learn more about your company.

► How many people does your company employ?

1-10

10-30

30-50

more than 50

► How many commercial vehicles – 7.5 tons and larger – are in your fleet?

Total number of vehicles \_\_\_\_\_ Number of Unimogs \_\_\_\_\_

Mailing address \_\_\_\_\_

Name \_\_\_\_\_

Postal code and city \_\_\_\_\_

Position \_\_\_\_\_

Country \_\_\_\_\_

Company \_\_\_\_\_

Phone \_\_\_\_\_



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# The multitasker that adds value every time.

You already know what the Unimog can do. Now see for yourself how it fares against the competition.

Product	Unimog	Truck (18-ton class)	
<b>Short bonnet concept</b> <ul style="list-style-type: none"> <li>▶ Excellent field of vision over work in progress and implements</li> <li>▶ Compact front-end dimensions</li> <li>▶ Driver is positioned in minimal vibration area behind the front axle</li> </ul>	<input checked="" type="checkbox"/>	yes <input type="checkbox"/>	no <input type="checkbox"/>
<b>Compact shape</b> <ul style="list-style-type: none"> <li>▶ Vehicle width: starting at 2.15 metres</li> <li>▶ Vehicle height: up to 2.95 metres</li> <li>▶ Wheelbase: starting at 3.08 metres</li> </ul>	<input checked="" type="checkbox"/>	yes <input type="checkbox"/>	no <input type="checkbox"/>
<b>Engine management</b> <ul style="list-style-type: none"> <li>▶ Switchable engine mode</li> <li>▶ Drive mode for flexible speed behaviour on the motorway</li> <li>▶ Work mode for minimal speed variation when operating implements</li> </ul>	<input checked="" type="checkbox"/>	yes <input type="checkbox"/>	no <input type="checkbox"/>
<b>Transmission concept for working, hauling and driving</b> <ul style="list-style-type: none"> <li>▶ Road, working* and crawling* gears</li> <li>▶ Torque converter*</li> </ul>	<input checked="" type="checkbox"/>	yes <input type="checkbox"/>	no <input type="checkbox"/>
<b>Integrated implement drive and control technology</b> <ul style="list-style-type: none"> <li>▶ Integrated working hydraulics</li> <li>▶ Mechanical power takeoff (PTO)</li> <li>▶ Mechanical 150 kW front PTO (only on the U 300/U 400/U 500 models)</li> </ul>	<input checked="" type="checkbox"/>	yes <input type="checkbox"/>	no <input type="checkbox"/>
<b>Vario-System 3+4 (only on the U 300/U 400/U 500 models)</b> <ul style="list-style-type: none"> <li>▶ Implement mounting systems</li> <li>▶ Faster implement exchange</li> </ul>	<input checked="" type="checkbox"/>	yes <input type="checkbox"/>	no <input type="checkbox"/>
<b>All-wheel-drive (AWD) concept</b> <ul style="list-style-type: none"> <li>▶ AWD with front and rear axle differential locks</li> <li>▶ Portal axles for high ground clearance</li> <li>▶ Single tyres with traction profile</li> <li>▶ Central Tyre Inflation System (CTIS)* can be adjusted while driving</li> </ul>	<input checked="" type="checkbox"/>	yes <input type="checkbox"/>	no <input type="checkbox"/>
<b>Driver convenience</b> <ul style="list-style-type: none"> <li>▶ AutomaticShift® - electronic automated shifting*</li> <li>▶ Electro-pneumatic shifting (EPS)</li> <li>▶ Standard air conditioning (only on the U 300/U 400/U 500 models)</li> </ul>	<input checked="" type="checkbox"/>	yes <input type="checkbox"/>	no <input type="checkbox"/>
<b>Unimog System Partnership</b> <ul style="list-style-type: none"> <li>▶ Standardised connection points for professional implement operation*               <ul style="list-style-type: none"> <li>- mechanical</li> <li>- hydraulic</li> <li>- electric/electronic</li> </ul> </li> <li>▶ Certified "Complete Unimog-System"</li> </ul>	<input checked="" type="checkbox"/>	yes <input type="checkbox"/>	no <input type="checkbox"/>

\*optional