



Defence LOGISTICS

Tried and tested. Uncompromisingly reliable.
In any terrain and any climate zone.

MORE AT WWW.DOLL.EU



Defence logistics vehicles and transport solutions

Features + advantages

- Tested in theatre across all the world's climate zones
- Proven, field-tested design and rugged steel structure in military-standard temperature exposure classes A2 to C2
- Field-documented, extremely long mean time between failure intervals
- Axle and suspension systems according to strategic necessity
- Field-tested handling, designed to support the mission
- Automatic track adjustment and additional steering at the touch of a button
- Gooseneck technology tailored to the deployment scenario
- Reliable electromagnetic compatibility of electronic components exceeding commercial standard ECE R10, in line with military standard
- Military-standard fordability corresponding to customer request
- Military coating, single colour or camouflage pattern
- Use of high-quality, field-tested components

Vehicles for light terrain

Minimal loading height and low centre of gravity.
For primary and secondary roads as well as solid
field and forest trails.





Vehicles for heavy terrain

The heaviest of payloads on demanding terrain. In different climate zones. Under adverse mobility conditions. Military transport operations are confronted with particular challenges and therefore require rugged, reliable and field-tested technology.

Vehicle types

LOW-BOY TRAILERS



BOLSTER SEMI-TRAILERS



LOW-BED TRAILERS



FLAT-BED TRAILERS



**SEMI-TRAILERS
FOR LIGHT TERRAIN**



Quality that sets the standard.

Your logistics products are manufactured in line with the highest quality standards and are subjected to ongoing testing and monitoring in accordance with ISO 9001 and AQAP 2110.

**We handle projects
of any size and scope**

From a single prototype to large-scale serial production – at our locations, we have the necessary capacity, experience and flexibility to handle projects of any size and its specific set of requirements.



DOLL® series production
Many vehicles. Same quality standards.

**Military-standard
documentation**

An integral part of the scope of delivery is the documentation provided for the vehicles, components and spare parts. DOLL® meets every requirement regarding military documentation – from commercial operating instructions to IETD in accordance with AECMA. What's more, documentation ensures that spare parts are NSN coded and that these get incorporated into SAP.

**Integrated Logistics &
in-field Support**

Our Service team ensures the availability of your vehicle throughout its operational life. For us, this includes training and a comprehensive train-the-trainer programme as well as spare parts supply, obsolescence management, repair framework agreements and complete through life support. We offer all maintenance levels specified by armed forces, for instance according to the German Army and in furtherance provide these abroad and in any conflict area.

**SEMI-TRAILERS
FOR HEAVY TERRAIN**



Vehicle details and equipment

The ultimate in safety

Just like lifting points, tie-down lashing points and load securing points are configured based on the requirements profile. They then satisfy the rail impact test and meet the requirements for air, sea and rail loading. Depending on the dimensions, all standard container locks, lifting points and load securing points can be integrated into the deck.



Tried-and-tested assistance systems

Crucial sensors and potential malfunctions can be read out quickly and conveniently via the radio remote control. Military-hardened sensor systems and innovative CAN bus technology allows for ease of troubleshooting and help reduce crucial vehicle downtimes. In addition, systems such as ABS-EBS and RSS discreetly support driving safety in the background and prevent critical driving situations that would put the system or payload at risk.



DOLL control®

With the new 7-inch colour display DOLL control®, all vehicle data is displayed simply and clearly, not only with symbols, but also in plain text. This enables you to monitor and control all important vehicle data. The epitome of user-friendliness and driver support. Maximum simplification of everyday work.





Change driving level at the touch of a button

Up to 4 driving levels can be preset at the factory in line with your specifications and selected to suit your operational need. At the same time, the hydraulic system provides features including the activation of traction control, lift axles, ramp operation, stabiliser legs, manual oversteering and tyre pressure monitoring. These features add to the ease of operation and the systems safety.

Rigid, hinged or compensating gooseneck

Depending on the number of axles and particular requirements, off-road capability can be increased significantly thanks to our hydraulically compensating gooseneck cylinders.



Manual oversteering

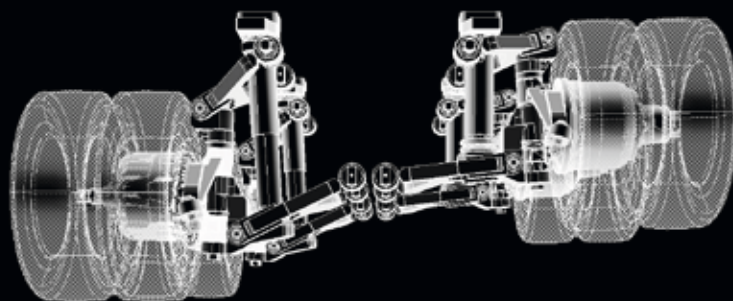
Caught in a corner, operating in a tight spot? Or is the tractor unit struggling to generate the necessary steering impulse when reversing? In that case the co-driver can either use the radio remote control or cable remote control to hydraulically adjust the steering impulse whenever required. As a result, the trailer is able to achieve minimal turning radii even in confined spaces – without any steering angle impulse from the tractor unit.

Axle technologies of today and tomorrow

DOLL panther®

The leading, innovative axle technology with independent wheel suspension.

- Ideal for maximum manouverability, thanks to 55° steering angle
- 12-t technical axle approval for maximum payload
- Perfect driving stability at all ride heights notwithstanding high center of gravity of payload
- Hydraulic axle balancing ensures that platform remains horizontal at all times
- Easy control of steering and driving level via keypads, DOLL connect® remote control and DOLL control®
- Lowest tire wear in class
- Minimal wear on bearing points and other performance components



DOLL vario®



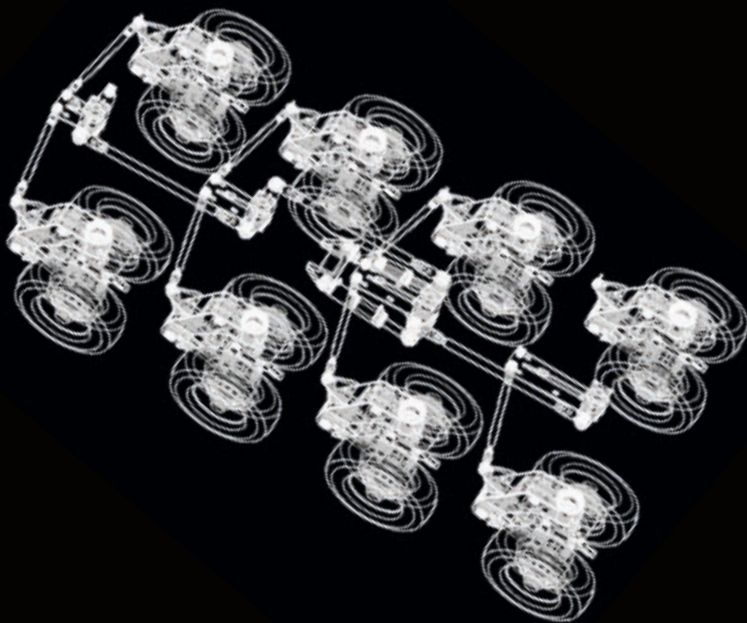
DOLL vario®

- 45° steering angle on the last axle
- Up to 12-t axle approval for maximum payload
- High-quality components with maximum corrosion resistance
- Pneumatic suspension for complete driving comfort

DOLL tera®

The most robust pendular axle for use under harsh off-road conditions and on extremely difficult terrain.

- Extremely robust axle rocker and swing arm, tested for military applications
- 13,4-t technical axle approval for maximum payload
- Tires for 17.5" or 19.5" wheels
- Extremely large axle stroke for heavy terrain
- Maximum swing clearance and swing angle
- Option of attaching snow chains and anti-skid chains
- Easy to change wheels, even of internal tires
- Manual or automatic lift axle function



Pioneering steering technology

- Outstanding cornering
- Exceptional driving performance
- Direct handling and outstanding directional stability
- Very low maintenance, low tire wear
- Manual remote oversteering via radio remote or cable remote control for extra safety
- Maximum reliability thanks to two independent steering circuits
- Built with high-quality components and well-known brand products

When visions turn into progress.

145 years of experience in vehicle construction.

Since 1878, we have been developing and producing sophisticated vehicles and solutions that are made for rough everyday use.



over 420
dedicated employees

invest their valuable working time every day in our exceptional products and services.

35 Engineers and specialists

think of smart and practical solutions in detail as well. This is precisely why we are always one step ahead with our technological innovations.



Our quality sets the standard.

Many manufacturers talk about quality and a long service life. But we actually deliver it. It goes without saying that we are fully compliant with standards such as DIN EN ISO 9001 and many more military standards. In fact, we've been ISO-certified since 1995.

5 Product segments:
**Defence,
Heavy Haulage,
Airport Equipment,
Timber Transport,
Service**

**More than
Vehicles**

1.000

leave us every year and reliably master every challenge. Day after day. Mile for mile. Worldwide.

**3
2** Facilities on
continents

Oppenau in the black forest,
Mildenau in Saxony and
New Jersey in Northamerica.

DOLL®

SERVICE PRO

Service at DOLL® Around the clock. Worldwide.

24h

Servicehotline

+49 7804 49-163
service@doll.eu

With the justified expectation of 20 years of spare parts availability and obsolescence management from day one, choosing a COTS or MOTS product from DOLL® is much more than just buying a vehicle. It is the beginning of a reliable partnership, combined with our promise to give everything so that you can fulfil your logistical mission at all times. Your vehicle and our employees are your armoury, reliable partners in everyday military life. Mission after mission. Kilometre for kilometre. Worldwide.



Repair + Maintenance.

In professional hands.

Military logistics is the backbone and prerequisite of operational and strategic flexibility. As such, you must be able to rely on your DOLL® vehicle without restriction! That's why we at DOLL® focus on exceptional quality – and support you in the maintenance, repair and overhaul of your vehicles within the framework of the material preservation levels (MES 1–4). Either in our factory-owned service workshop in Oppenau, at one of our many service partners in Europe or by means of our mobile service teams at any location of your choice. This reduces the downtime of your vehicle to a minimum and ensures high operational availability.



Spare parts + Obsolescence management.

Quality, down to the smallest part.

DOLL® COTS and MOTS vehicles are extremely robust and durable and have proven their operational capability in all climatic zones and under the most adverse operating conditions worldwide. This also applies to all installed parts and components. Nevertheless, wear and tear due to daily, demanding use with heavy equipment, maintenance and repair as well as adaptation to innovations and demands of the future can make it necessary to replace parts. Through comprehensive obsolescence management, we ensure the permanent and unrestricted availability of all components in «fit, form and function» and thus guarantee the reliable availability of all spare parts, often NSN-coded, throughout the entire «in service» period. In this context, we simultaneously maintain all number ranges, the documentation accompanying the equipment and ensure future in service prolongation of the vehicles through corresponding respective technical assistance programs. The reliability and operational capability of your DOLL® is our top priority.



Technical support.

Support that gets you further.

Often it's small but valuable assistance from experts that immediately helps us - in recognising the fault or solving the problem. Talk to DOLL® experts who know your vehicle better than anyone else on our Defence service hotline. We provide immediate help by phone and thus avoid unnecessary downtimes.



DOLL® Academy.

Get qualified. Improve your skills.

Soldiers and operators who have perfect control of their equipment are guarantors for the safe handling of the vehicle and its payload. In our training courses, we train your drivers and soldiers in the home or seconding country in the handling of your vehicles – in the areas of operation, maintenance and repair. For this purpose, we create and design comprehensive training concepts and documents in the local language as well as technical models and simulators that meet your needs and operational spectrum.

Over 120 partners worldwide:
partner.doll.eu



We will find the right transportation solution.

We are happy to advise and support you and demonstrate our vehicles to you at any time.

For information and advice call
+49 7804 49-523 or **defence@doll.eu**.

More information on **www.doll.eu**.