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»» HEAVY-DUTY TRANSPORT

# Making difficult things easy





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# What moves the industry

Ever larger and heavier building components, destinations that are difficult to reach, country-specific road traffic regulations: tasks in the heavy transport sector are becoming increasingly more complex and demanding worldwide. It is all the more important for you to find the best solutions in order to move the heaviest loads from one place to another as cost effectively, safely and easily as possible.

## Flexible application possibilities

Standardised and individually configurable solutions for transporting loads weighing up to several thousand tonnes.

## Enhanced planning reliability

Internationally approved low-bed semi-trailers and modular platform vehicles, easily adaptable to suit the respective national regulations.

## High load-bearing capacity

Ideal payload distribution thanks to the hydraulic pendulum axles and the best possible manoeuvrability due to all-wheel steering complete with large steering angles.

## Simple handling

Simple, easily understandable and intuitive operating concepts facilitate safe use of SCHEUERLE vehicles.

## Now you can really begin to move things

As an experienced industry partner and specialist for heavy transport, TII SCHEUERLE realises the best transport solutions for meeting your requirements. In this way, we make it possible for you to easily avoid expensive route changes, additional permit applications, conversion measures along the transport routes and downtimes.

- + Technical ingenuity
- + Flexible application possibilities
- + Reliable vehicle availability
- + Resource-saving technology
- + International service network
- + Trustworthy partnership
- + Compact design
- + Excellent manoeuvrability



# Putting more emphasis on value creation

Cost-efficiency does not only take place on or off the road. Whether an investment is worthwhile depends on many factors. You can count on TII SCHEUERLE as a long-term partner.



## You can count on this

Our products have always set the technical benchmarks in the industry, and we are constantly developing them even further. Economic and ecological requirements are not a contradiction in terms here, but perfectly complement each other: long-lasting quality, low energy consumption and wear as well as longer maintenance intervals simultaneously mean lower costs and a better ecological balance.

55%  
Costs for tractor unit

30%  
Costs for the driver

10%  
Investment costs  
Low-bed semi-trailer

5%  
Repairs and maintenance  
Low-bed semi-trailer

Typical allocation of acquisition costs for trucks and low-bed semi-trailers  
Reduction of the overall operating costs with SCHEUERLE vehicles through



### Fuel

Simply move more. When developing our products, a low dead weight is always at the forefront. Our lightweight construction and the resulting extra payload have a positive effect on your fuel consumption.



### Training

With our training programme, you will get the practical knowledge needed to get even more performance from your TII SCHEUERLE products.



### Compact design

TII SCHEUERLE's compact designs can also help make the permitting process easier, hence reducing costs.



### Optimised vehicle

Higher performance that results in less downtime: our robust transport solutions retain a high value throughout their long and useful lifespan. Brake and tyre wear will also been reduced due to the low dead weight.

When considering the total cost of ownership (TCO) of TII SCHEUERLE's manufactured equipment, the value of these products become obvious. We would be pleased to create a TCO specific to your needs and show you how you can reduce your operating costs in conjunction with our equipment.

The cost distribution listed above refers to the SCHEUERLE EuroCompact series and reflects an example total cost calculation for lorries and trailers. The distribution of costs may deviate from the sample calculation given above. This depends on a wide variety of factors such as acquisition costs, depreciation period, fuel costs and personnel costs. Special equipment, additional equipment and accessories can have a further impact on weight, remaining payload, rolling resistance, aerodynamics, etc. and thus also affect the values listed above. We would be pleased to calculate the total operating costs for your purchase together with you in a consultation meeting.

## Our applications

Crane and rigging

Heavy-duty transport

Wind energy

Military transports

Shipyards and offshore

Aerospace

Energy

Construction and mining

# Our strong vehicles meet every challenge



Low-bed semi-trailers

Heavy-duty modules



SPMT



Ship section lift transporters



Wind systems

Developed so that our customers can transport their valuable goods to their destinations as safely and quickly as possible, TII SCHEUERLE provides strong, well-thought-out transport solutions for every requirement. A lot can be configured for the specific application, thus guaranteeing maximum flexibility. Simple operation, fast loading and unloading, and a minimum need for specialist personnel are the focus here in order to relieve the pressure facing our customers. Supported by our experienced, worldwide service operations, this results in an absolutely reliable overall package.

# Low-bed semi-trailer

Moving heavy loads with effortless ease, safety and a high level of flexibility? The low-bed semi-trailers from TII SCHEUERLE combine these advantages in numerous customised configurations. Low loading heights, low dead weight and excellent steering response make any transport challenge easier for you - from construction machinery or steel and concrete elements to boats, yachts and heavy industrial goods.

## Our low-bed semi-trailers - flexibly meeting your requirements:

- »» Construction machinery
- »» Forestry machinery
- »» Conveying and crushing equipment
- »» Steel and concrete components
- »» Agricultural machinery
- »» Containers
- »» Tower segments
- »» Transformers
- »» Crane systems and components



Compact, manoeuvrable with optimised payload and loading area. The SCHEUERLE EuroCompact U9 is perfectly suited for carrying out the many small transport tasks.



## SCHEUERLE | EuroCompact U9



The U9 series of the SCHEUERLE EuroCompact product range is light and strong! Extremely good manoeuvrability as well as numerous intelligent equipment features make our low-bed semi-trailer unique. It is available in 0+2 axle and 0+3 axle configurations and can transport 36 and 48 tonnes respectively with maximum flexibility and outstanding steering response.

- + Low loading height
- + Low dead weight
- + Clever Coupling (time, safety, ergonomics)
- + Outstanding steering response

### Product characteristics

Available with 0+2 and 0+3 axles

Range of low-bed semi-trailer options available

Gooseneck for a 3-5 axle tractor unit

Proven pendulum axle

Telescopic technology

Movable within a total length of 16,500 mm

Payloads from 36 t to 48 t

Modularly expandable and therefore very flexible. This is how you can transport a wide variety of loads with only one trailer - cost effectively and safely.



## SCHEUERLE | EuroCompact



The compact vehicle concept of the SCHEUERLE EuroCompact series as well as the Smart Axle add-on bogie provide you with all the flexibility you need in order to transport as many different loads as possible with only one vehicle. The semi-modular design can be adapted to accommodate almost any load thanks to a large selection of dolly and platform trailers with different numbers of axle lines. This enables you to cover a wide range of loads using just one vehicle. The result: better utilisation of vehicles along with simultaneous savings in acquisition and operating costs.

- + Up to 1 m more loading length than comparable models, but with the same vehicle length
- + Enhanced flexibility through the SmartAxle add-on bogie
- + More utilisation with lower acquisition costs
- + Continuously variable fifth-wheel load adjustment as standard
- + Simplified approval modalities save time and money
- + More safety and improved ergonomics through SCHEUERLE Clever Coupling

### Product characteristics

Available with 0+4 and 0+6 axles

Range of low-bed semi-trailers available

Gooseneck for a 3-5 axle tractor unit

Optionally available with 245/70 R17.5 or 285/70 R19.5 tyres

Payloads from 82 t to 128 t

# Heavy-duty modules

Heavy-duty modules from TII SCHEUERLE traditionally move the world innovatively! The basis of the road vehicle solutions from TII is the hydraulically supported pendulum axle that was developed by SCHEUERLE and has been redefining heavy transport ever since its market launch. TII SCHEUERLE heavy-duty modules can basically move everything whereby nothing is too big or too heavy.

## Our heavy-duty modules - strong support for your requirements:

- »» Heavy construction machinery
- »» Rocket components
- »» Tower segments
- »» Conveying and crushing equipment
- »» Steel and concrete elements
- »» Boats and yachts
- »» Transformers
- »» Industrial facilities



Ultra-light, narrow and extremely stable.  
UltralightCombi combination vehicles  
ensure flexible road transportation.



## SCHEUERLE | UltraLightCombi



The modular platform vehicles of the SCHEUERLE UltraLightCombi series are especially weight-optimised and score highly through an extremely good payload to dead weight ratio whilst simultaneously providing a wide span. The UltraLightCombi can be used in a variety of ways and, depending on the vehicle selected, is compatible with the InterCombi or EuroCombi series. Those who rely on the UltraLightCombi can count on an economical package of low wear, fuel consumption and operating costs.

- + Proven components from the Combi series
- + Low operational costs
- + Ultra-light dead weight for heavy payload
- + Wide span ensures a higher level of stability
- + Continuous fifth-wheel load adjustment possible
- + Narrow vehicle width of 2.55 m provides approval advantages especially in terms of empty runs

### Product characteristics

Available with 2+4 and 5+7 axles

Various low-bed, platform or bolster combinations available

Optionally available with 245/70 R17.5 or 285/70 R19.5 tyres

Payloads from 80 t to 150 t

Extremely high load capacity,  
modular and steered electronically.  
The SCHEUERLE InterCombi moves  
heavy loads with millimetre precision  
and maximum manoeuvrability.



## SCHEUERLE | InterCombi



The SCHEUERLE InterCombi is a modular platform trailer that can be used to cover a large range of transport tasks. The vehicle is deployed as a semi-trailer combination, trailer combination or self-propelled transporter, and sets standards in its segment.

- + **Robust vehicle design and highly manoeuvrable steering response**
- + **The premier class of modular road transport for heavy payloads**
- + **Can be coupled longitudinally and transversely**
- + **Flexibility and variability due to the modular design**
- + **All-rounder in the fields of construction machinery, mining equipment, long materials, wind energy installations, ultra-heavy bridge elements and heavy-duty transports on public roads**

### Product characteristics

2-6 axle platform vehicle

Various low-bed, platform or  
bolster combinations available

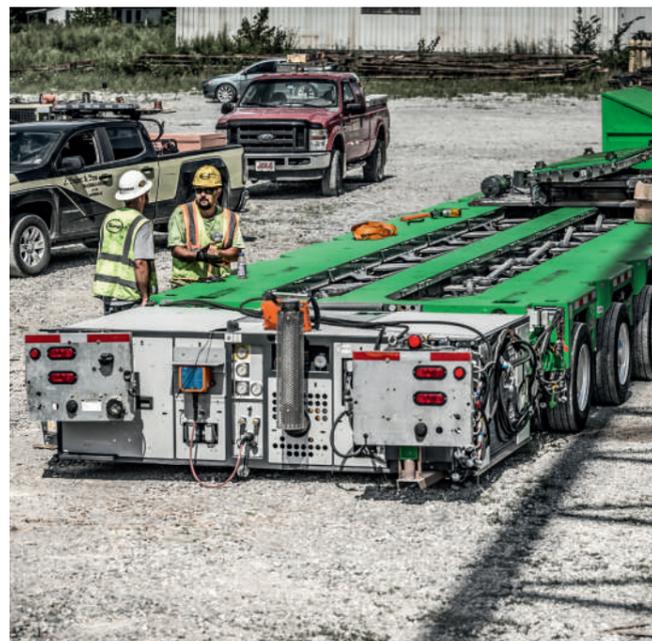
Drive types: pulled, driven  
or drive-supported

Available as a split version

45 t axle line load



Robust, versatile and reliable. Due to its modular design, the SCHEUERLE K25 transports almost any load - worldwide.



## SCHEUERLE | K25



The SCHEUERLE K25 is a modular platform trailer that can be used to cover a large range of transport tasks. The vehicle is deployed as a semi-trailer combination, trailer combination or self-propelled transporter.

- + Strongest bending moment on the market**
- + Can be coupled with products of other manufacturers**
- + Special lashing rings for optimal load securing**
- + Strong vehicle construction with high manoeuvrability**
- + Can be coupled longitudinally and transversely**
- + Extensive range of accessories**

### Product characteristics

2-6 axle platform vehicle

Various low-bed, platform or bolster combinations available

Drive types: pulled, driven or drive-supported

Available as a split version

45 t axle line load

Low centre of gravity, large track width and extremely stable. The SCHEUERLE K25 L safely transports high loads as a vehicle combination – thanks to the large axle compensation, even on uneven terrain.



## SCHEUERLE | K25 L



The SCHEUERLE K25 L is a real highlight among platform vehicles. The L in the name stands for low. In spite of the larger tyres, the platform height remains extremely low. Ideal for loads with a high centre of gravity such as wind turbine components. Due to its large track width, the new K25 L offers around 10% more stability than is usually found on the market. Let's hear it for safety! The modular platform vehicles in the series are available with 2, 3, 4, 5 and 6 axles. The modules can be coupled with the complete K25 product range. The K25 L can be driven as a vehicle combination or using a Power Pack Unit Z19. It can be combined with a gooseneck, drawbar, swivel bolster, deck and tower adapter.

- + Safe transportation of tall loads thanks to the low platform height and large tyres
- + Good manoeuvrability due to high steering angle
- + Top stability for loads with a high centre of gravity
- + More than 30% higher torsional stiffness than is usually available on the market
- + Technically perfected for long-distance assignments

### Product characteristics

2-6 axle platform vehicle

Various low-bed, platform or bolster combinations available

23 t axle line load

Available with PPU Z19

**Robust, all-terrain and economical.**  
The TIIGER UHD is built for transporting heavy loads on public roads. Thanks to the hydraulic axle compensation, it can easily cope with the most difficult conditions.



## TIIGER | UHD



The TIIGER UHD is ideally suited for transporting heavy goods. Maximum payloads are possible thanks to the lightweight construction, larger steering angle and excellent manoeuvrability. The modules are equipped with hydraulic suspension and pendulum axles for providing better absorption of surface unevenness in order to keep the platform level. The TIIGER UHD has been specially developed for meeting the requirements of the emerging markets.

- + **Robust and compact construction for rough terrains**
- + **Less wear**
- + **End-to-end and side-to-side coupling**
- + **Freely accessible track rods**
- + **Pendulum axles**
- + **Axle-locking mechanism**
- + **Covering plates**

### Product characteristics

2-6 axle platform vehicle

Combinations of up to  
20 axle lines

Robust and compact construction  
for rough terrains

Hydromechanical  
steering mechanism

Dual-line compressed  
air-braking system

End-to-end and  
side-to-side coupling

Extra-wide, extra-long and self-supporting loads. The SCHEUERLE WideCombi / SCHEUERLE HighwayGiant is a dual-lane trailer that is used to transport oversized loads in North America.



## SCHEUERLE | WideCombi SCHEUERLE | HighwayGiant



With the development of the SCHEUERLE WideCombi / HighwayGiant heavy-duty modules, TII SCHEUERLE has raised two-track technology to a completely new level. One special feature of the HighwayGiant is, among other things, the integrated folding mechanism which makes it possible to transport the trailer back to the depot in a folded position without requiring a permit, which leads to enormous cost savings. The HighwayGiant was specially developed as a flexible vehicle concept to meet the diverse requirements of the North American market.

- + Integrated folding mechanism facilitates empty runs without requiring a permit
- + Specially developed for meeting the requirements of the North American market
- + Top stability for loads with a high centre of gravity
- + Modular design

### Product characteristics

2-6 axle platform vehicle

Various low-bed, platform or bolster combinations available

Drive types: pulled, driven or drive-supported

28 t axle line load

Dual tyres

Ready for every individual application - with our accessories.



## Towing equipment

Goosenecks, drawbars and drawbar coupling elements are available in a wide range of lengths and designs.



## Decks

Slab decks, excavator decks, frame decks, spacers, side girder decks. Our deck portfolio is individually adaptable for your specific application.



## Drive units and auxiliary power units

Numerous add-on parts are available for TII SCHEUERLE vehicles. This includes a large portfolio of electric and diesel drive units as well as auxiliary aggregates.



## Wind solutions

Our solutions portfolio for wind turbines consists of a wind tower adapter along with an adapter for rotor blades.

# SPMT

Changing the transport industry through its innovations and constantly realised further developments: that's what TII stands for. For example, with the SCHEUERLE SPMT - our self-propelled modular vehicle that can be combined to form transport combinations of any size. Since its market launch in 1983, the SCHEUERLE SPMT has become global standard. Thanks to its global availability, comprehensive coupling capability and our international on-site service operations, it enables our customers to easily master even the most difficult challenges.

## Advantages that you no longer want to do without:

- »» SCHEUERLE SPMT is a global benchmark
- »» Technology is the worldwide standard
- »» Additional axle lines available to rent
- »» SPMT can be loaded onto container flat racks
- »» Can be coupled as required, also cross-system
- »» Worldwide on-site service



Self-propelled, it can be coupled as required and has been the global standard for transporting the heaviest loads for the past four decades. The SCHEUERLE SPMT knows no weight limits.



## SCHEUERLE | SPMT



The SCHEUERLE SPMT is a modular, self-propelled transporter that can be combined to form any size of transport combination. It has completely revolutionised the transport industry since its market launch in 1983. Equipped with its own drive system, the modular vehicles come in a range of options with 4-, 5-, 6- or 8 axle lines. The loading capacity depends on the particular version and can accommodate up to a maximum of 60 tonnes per axle line. Each module can be equipped with its own engine and control system. Thanks to the multiple combination options, the SCHEUERLE SPMT can lift and move virtually all heavy loads.

- + In container dimensions**
- + Unbeatable in a team - can be coupled with other SPMT units**
- + Customisable thanks to available performance packages**
- + Numerous steering programs**

### Product characteristics

Platforms with 4, 5, 6, and 8 axles available

Up to 60 t axle line load

Electronically steered

In container dimensions

Extensive range of accessories available

PPU Z230 and Z390 drive units available

Environmentally friendly, extremely manoeuvrable and can be coupled together as required. With the electrically driven SCHEUERLE eSPMT, you can transport heavy loads with millimetre precision even in the tightest of spaces.



## SCHEUERLE | eSPMT



The SCHEUERLE eSPMT is an all-electric self-propelled modular transporter that can be combined as required and can move virtually any load. The wheels of the eSPMT have 360-degree steering. This allows rotational and sideways movement. In short, the SCHEUERLE eSPMT is a low-noise, environmentally friendly and sustainable vehicle.

- + Can be operated in zero-emission or hybrid modes
- + Reduces noise emissions
- + Two 40 kWh batteries ensure a long operating range

### Product characteristics

Performance  
2x 90 kW - at 1,950 rpm

High-voltage battery pack  
2x 40 kWh

Charging power 2x 22 kW

Up to 60 t axle line load



**Variable, flexible, robust.**  
**The SCHEUERLE SPMT K24 is used successfully all over the world. Its extensive range of accessories makes it a universal transport platform for handling almost any heavy-duty task.**



## SCHEUERLE | SPMT K24



With the SCHEUERLE SPMT K24, TII has produced a proven, modular, self-propelled transporter that is used around the world. A comprehensive range of accessories turns the main components into a multifunctional transport system for accommodating heavy loads of almost any shape and size. Thanks to its economical design, the SCHEUERLE SPMT K24 can be loaded onto container flat racks and can therefore be flexibly used around the world.

- + In container dimensions**
- + Unbeatable in a team - can be coupled with other SPMT units**
- + Customisable thanks to available performance packages**
- + Numerous steering programs**

### Product characteristics

Platform vehicles with 4, 5, 6 and 8 axles

Available up to 48 t axle line load

Electronically steered

In container dimensions

Extensive range of accessories available

PPU Z230 and Z390 drive units available

Electric or diesel-powered, compact and flexible.  
The SCHEUERLE SPMT PowerHoss is the  
all-rounder for smaller transport tasks.



## SCHEUERLE | SPMT PowerHoss



The SPMT Powerhoss is an all-rounder for small and large loads of all types from 80 tonnes upwards. Thanks to the compact design with integrated engine, the powerful transport vehicle is ready for immediate use. The assembly-aiding self-propelled transporter is easy to operate and can be coupled with other PowerHoss units. Flexible regarding the choice of route, it can be used both off-road and on-site - without requiring any reloading!

- + **Plug and Play: ready for immediate use thanks to the integrated PPU and short instruction time**
- + **Unbeatable in a team - can be coupled with other PowerHoss units**
- + **Wear-resistant rack-and-pinion steering**
- + **Can be used indoors and outdoors - no reloading required**
- + **Customisable thanks to available performance packages**
- + **Hydrostatic drive system and electronic multidirectional steering**
- + **Proven SCHEUERLE pendulum axle technology**

### Product characteristics

Available with 2, 4 or 6 axles

85-330 t payload

Axle compensation of 700 mm  
up to 1,320 t possible

Extensive range of accessories  
available

Low loading height, robust and electronically steered. The SCHEUERLE InterCombi SPE can be coupled to form a self-propelled vehicle.



## SCHEUERLE | InterCombi SPE



The SCHEUERLE InterCombi SPE is an electronically steered heavy-duty module. Three metres wide, can be lowered to 920 millimetres and equipped with dual tyres - these are the features of the SCHEUERLE InterCombi SPE. The hydrostatically driven combination vehicle is available with four or six axles and is equipped with a PowerPackUnit that allows it to be self-propelled. Various driving modes can be executed with the steering programs: all-wheel steering longitudinal and transverse, diagonal steering longitudinal and transverse, front-wheel steering, rear-wheel steering and circular steering. The IC SPE is the inexpensive add-on for converting existing InterCombi modules into self-propelled transport units.

- + Robust and reliable
- + 45 t axle line load
- + Wide wheel track for high stability
- + Self-developed control technology
- + Can be combined to form the largest electronically steered vehicle fleet in the world

### Product characteristics

4 and 6 axle platform vehicle

45 t axle line load

Dual tyres

PPU Z230 and Z390 drive units available

Robust, versatile and precise. The SCHEUERLE K25 SPE combines the characteristics of the K25 with electronic steering for realising the most precise heavy-duty transport tasks.



## SCHEUERLE | K25 SPE



The SCHEUERLE K25 SPE is an electronically steered heavy-duty module. Three metres wide, 45-tonne axle line load, can be lowered to 920 millimetres, and equipped with dual tyres - these are the features of the SCHEUERLE K25 SPE. The hydrostatically driven combination vehicle is available with four or six axles and is equipped with a PowerPackUnit that allows it to be self-propelled.

- + Robust and reliable
- + 45 t axle line load
- + Wide wheel track for high stability
- + Self-developed control technology
- + Axle compensation +350/-300 mm
- + Steering angle +/- 140°
- + Can be combined to form the largest electronically steered vehicle fleet in the world

### Product characteristics

4 and 6 axle platform vehicle

45 t axle line load

Dual tyres

PPU Z230 and Z390 drive units available

# Ship section lift transporter

In the shipyard industry, ship section lift transporters from SCHEUERLE have revolutionised the transport of individual ship sections through to complete vessels. Extreme loads of up to 15,000 tonnes and more can be safely transported. The precise steering and hydraulic drive unit that facilitate precise positioning as well as the powerful lifting hydraulics make ShipyardTransporter from TII SCHEUERLE an indispensable part of cost-efficient logistics operations in the shipbuilding industry.

## Convincing facts:

- »» Payloads of up to 1,000 t per vehicle
- »» Possibility of coupling payloads of up to 15,000 t
- »» Vehicles can be coupled longitudinally and transversely
- »» Hydraulic drive unit and precise electronic steering



**Robust, modular and extremely manoeuvrable.**  
The SCHEUERLE ShipyardTransporter is indispensable for day-to-day work in the shipyard. Very precise thanks to the electronic control system - for payloads of up to 1,000 tonnes and more on request.



## SCHEUERLE | ShipyardTransporter



The SCHEUERLE ShipyardTransporter is the ideal vehicle for efficient transportation of ship sections and other heavy shipbuilding components. The vehicle was specially developed for this purpose and handles extreme loads of 1,000 tonnes and more on a daily basis. The precise steering and hydraulic drive unit facilitate pinpoint positioning. The SCHEUERLE ShipyardTransporter is an indispensable part of a cost-efficient logistics operation in the shipbuilding industry.

- + Can be coupled with the SCHEUERLE ShipyardTransporter and SCHEUERLE SPMT
- + 165° steering angle for high manoeuvrability
- + Tried and tested for 35 years
- + Fast and manoeuvrable
- + Easy to operate

### Product characteristics

4 to 40 axles

Platform lengths up to 28 m

Platform widths up to 10 m

Larger vehicles and special designs are technically possible at any time

# Wind systems

For transporting rotor blades, nacelles and tower segments safely and efficiently, reliability along with ease of maintenance and good handling are naturally part of the specifications for a vehicle from TII SCHEUERLE. However, the really challenging work begins after this. Through an intensive consultation process and in close dialogue with you, the customer, a transport solution is created that is not only versatile and economical but also future-oriented. TII SCHEUERLE also supports you with its market knowledge and shows where the transport business is headed - especially in the field of wind power where new technologies are constantly emerging and the size of the facilities is growing steadily. You can be sure of one thing: you will also be competitive in the future with vehicles from TII SCHEUERLE.

## SCHEUERLE wind systems guarantee:

»» Cost-efficient

»» Reliable

»» Future-proof

»» Scalable



Competitive advantages, cost-efficient, future-proof. The SCHEUERLE RBTS reliably transports all common and future rotor blade types to their destinations - and according to plan.



## SCHEUERLE | RBTS



The Rotor Blade Transport System from SCHEUERLE transports all rotor blade types that are available on the market safely and economically. The combination together with a trailing unit is ideally suited for moving heavy, very long rotor blades. The system will also be able to accommodate the next generations of rotor blades with even larger dimensions, thus proving its future viability. The rotor blade transport system consists of a 2 axle jeep dolly, a free-turning device with a root adapter plus a 4 axle trailer as trailing unit or an optionally available free-turning device that is coupled directly to the tractor, plus one trailing unit. For empty runs, the trailing unit is coupled directly to the free-turning device and thus does not exceed the permitted combination length of 16.5 m.

- + **Transports all common types of rotor blades**
- + **Weighing device for determining the centre of gravity**
- + **Future-proof system**
- + **All functions can be safely and ergonomically controlled via radio remote control**
- + **More safety during transport through precise adjustment of the centre of gravity with the sliding carriage**

### Product characteristics

2 axle jeep dolly, free-turning device with root adapter and 4 axle trailing unit

Trailing unit rotor blade length: unlimited

Max. payload dolly + free-turning device: 31.85 t

Max. payload trailing unit: 31.7 t

Max. axle line load: 10 t

Tyres: 245/70 - R17.5

Max. fifth-wheel load dolly: 17 t

Flexible, innovative and variable.  
The SCHEUERLE BladeLifter G4  
also accommodates challenging  
transport routes through its  
maximum installation angle of 60°.



## SCHEUERLE | BladeLifter



The SCHEUERLE BladeLifter is the transport solution of the future for the wind energy sector. With its load moment of up to 900 mt, the adapter is suitable for rotor blades that are up to 100 metres long or even longer. More is not possible. The rotor blade adapter can be used flexibly and guarantees the best manoeuvring options through its set-up angle of 60° along with its rotatability. As a result, narrow streets or serpentine-dominated routes can be safely mastered. The adapter can be mounted on towed vehicle combinations as well as self-propelled modules. The rotor blade quick-change system ensures more efficiency in transport operations.

- + **900 mt maximum load moment makes the investment future-proof**
- + **Variable vehicle widths of 3 m and 3.49 m enhance the flexibility**
- + **Height adjustability increases the option for accommodating larger rotor blades**
- + **Maximum set-up angle of 60° provides the best manoeuvrability**
- + **Rotor blade quick-change system shortens set-up times**

### Product characteristics

Rotor blades up to 100 m  
and even longer

Load moment: 900 mt

Rotor blade diameter:  
3,250 - 4,250 mm

Payload: 45,000 kg

Counterweight, max.: 30,000 kg

**Light, flexible and economical.**  
The SCHEUERLE WindTowerAdapter efficiently transports wind tower segments of up to 100 tonnes to their destination, also on twisting and winding routes.



## SCHEUERLE | WindTowerAdapter



The SCHEUERLE WindTowerAdapter is the ideal mounting part for accommodating different tower segment radii. In conjunction with our heavy-duty modules, payloads of up to 140 tonnes can be transported with the adapter. An integrated lifting device and high ground clearance are just two examples of the imaginative development of the SCHEUERLE WindTowerAdapter.

- + High ground clearance in order to prevent damaging the transported materials
- + Lifting device to circumvent obstacles

### Product characteristics

Available in three versions with different tower radii and payloads

Suitable for tower diameters of 5,000 mm - 6,500 mm

Payloads up to 140 t

Telescopic, manoeuvrable and light. The TIIGER Extender manoeuvres even the longest loads safely to their destinations.



## TIIGER | Extender



Due to its telescopic loading area, the TIIGER Extender is ideal for transporting wind blades and particularly long loads such as bridge components. Through the lightweight construction and larger steering angle, the TIIGER Extender offers optimal manoeuvrability with a high payload.

- + Fifth-wheel coupling height for accommodating different tractor units
- + Proven and robust air suspension technology
- + Gooseneck with 2" standard king pin
- + Axles with automatic slack adjuster
- + Less wear

### Product characteristics

Can be extended up to 3 telescoped lengths

Trailer equipped with ABS

Hydromechanical steering mechanism

Pneumatic dual-line brake system

24 V, 3 kW, 300 rpm power pack

Bogie unit with a capacity of 25 t

# Your vehicles, always ready for use – thanks to our service.

The reliable use of your vehicles is our top priority – regardless whether it is a new vehicle or one that has already moved hundreds of thousands of tonnes. With this in mind, we have built up a dense network of service partners and workshops worldwide so that trained TII SCHEUERLE professionals are in close proximity. Together with our partners, we ensure high availability of your TII SCHEUERLE vehicles as well as sustainable value retention.

High vehicle availability

Dense service network

Sustainable value retention

## + SCHEUERLE

### Service partners and authorised workshops

Scheduled maintenance, repairs or technical upgrades: we offer you an all-round service via our global network of service partners and authorised workshops. If required, a TII SCHEUERLE professional will be with you on-site within a very short time.

## + SCHEUERLE Training

Operators, mechanics and dispatchers: through our training courses, we provide you with the skills you need for the commissioning, maintenance and repair of your SCHEUERLE vehicles.

## + SCHEUERLE Connect

Thanks to SCHEUERLE Connect, you have direct access to all current operating data. Service intervals and pending maintenance work are also displayed. In this way, you can easily optimise your operational planning and minimise downtimes.

### Service contracts

- Basic, advanced and premium contracts
- Sustainable value retention

### Training

- Practical training courses
- Customised training packages

### Maintenance and repairs

- Predictive maintenance
- 100% professional repair service

### Service partners

- Worldwide service network
- Qualified service partners

### Commissioning

- Functionality tests
- Vehicle briefing

### Remote service

- Transmission of operating data in real time
- Service registration and remote maintenance via SCHEUERLE Connect

### Technical support

- Personal support and guidance
- Emergency hotline 24/7
- Remote support

### Spare parts service

- High availability of spare parts
- Easy and convenient online ordering with Click4Parts

### On-site service

- Qualified service technicians
- Repairs and transport preparation



# Prepared for whatever the future brings.

What moves the heavy-duty industry forwards on the way to tomorrow? Which trends will prevail? What challenges must companies face? As a partner of the transport business, we actively address these questions. They are the engine for the further development of innovative vehicle concepts for our customers.

## Growing transport requirements

The growth trend in heavy-duty logistics continues. Increasingly heavier, taller, wider loads have to be moved quickly, safely and efficiently. Heavy loads often reach the limits of what can be transported on public roads. Optimally adaptable transport solutions are therefore decisive for the success of a transport project.

## Increasing demand for data

The digitalisation process is steadily moving forward in the heavy-duty logistics sector. Real-time information and high-quality data improve your operational planning and increase your efficiency, reduce fuel consumption and minimise downtimes.

## Individualisation of products

The industry demands increasingly more product variety with tailor-made solutions and special vehicles for complex processes. Delivery reliability as well as a reliable service must always be guaranteed.

## Demographic change

The shortage of drivers will continue to worsen in future, whereby the workforce is also getting older. This increases the demands on ergonomics and workplace relief. Growing demands for comfort must also be taken into account in order to retain staff.

## Climate protection and sustainability

Transport companies pave the way for achieving the climate neutrality objectives for 2030 and 2050. Climate and environmental protection is a basic social value that everyone is committed to maintain. With rising costs for energy and CO<sub>2</sub> emissions, saving resources, using alternative drives and having a good ecological balance are worthwhile undertakings as well as from an economic point of view.

## Complicated planning processes

As loads get increasingly bigger and heavier and regulations get even stricter, project planning becomes more challenging for transport companies.

»» We are constantly optimising our vehicle concepts in order to increase the efficiency of your heavy transport operations whilst also increasing the level of safety.

»» We use telematic systems and are working on a range of smart applications.

»» We are continuously realigning our services and making your heavy-duty transports reliable and fail-safe.

»» Ergonomics is a premise of our vehicle developments.

»» We are working on the future: with alternative drives and sustainability firmly in mind.

»» We are working on simple, compact and imaginative transport solutions that make extremely heavy work remarkably easy.





# Move the world

**Building extraordinary vehicles for logistics and heavy transport has been TII's great passion for more than 150 years. What inspires us day after day? To see that our customers are able to move the world!**

As a strong group of companies steeped in tradition, we offer not only innovative, technologically leading products, but also the necessary wealth of experience in order to master the major challenges in the transport business. TII SCHEUERLE and TII KAMAG therefore have proven specialists for every task who are very familiar with the respective industries and deliver customised solutions.

TII Group's transport and manoeuvring vehicles facilitate the safe and precise lifting of any load, no matter how heavy, bringing it reliably to its destination and subsequently setting it down with millimetre precision. And this in every environment, worldwide. Thereby our customers receive the support of a full-service provider from whom they not only get the most suitable solution, but also experience a long-term, reliable partnership.



**Heavy transport solutions for on- and off-road.  
Flexibly configurable for all applications.**

Whenever heavy and valuable loads need to be moved reliably, safely and easily, no matter where in the world and how adverse the general conditions are: TII SCHEUERLE is able to offer a suitable solution on the basis of modular systems - while still ensuring compatibility with existing vehicle fleets, which is something very special indeed.

Thanks to this modular design, individually configurable and easy-to-operate vehicles are created that meet the challenges of the respective industry: large and heavy transport goods, destinations that are difficult to reach and heavy-load corridors, manoeuvring in existing building environments, country-specific road traffic regulations. In the process, we are always there for our customers over the entire life cycle as a reliable partner.



**Transportation solutions for yards and industry.  
Specially developed for specific applications.**

Whoever wants to achieve maximum productivity in their internal manufacturing and logistics procedures requires trouble-free processes. TII KAMAG develops long-lasting solutions that are perfectly tailored to their respective task: our vehicles can effortlessly move over 100 tonnes of molten slag or manoeuvre swap bodies and semi-trailers with the utmost precision in logistics yards.

However, it is not only here that our customers benefit from the concentrated know-how of an experienced industry expert. The fact is that we have always understood how to develop and build special and customised vehicles such as rocket transporters, semi-finished product transporters, straddle carriers, rail car transporters and slab transporters that can master even the most unusual task. Always safe, reliable and precise.