

„The innovative DOLL® system allowed us to transport the longest rotor blades, something that simply wouldn't have been possible with standard trailer types. The total length of the combined vehicle was 87.5 metres.“

Joachim Wiesiollek
Managing Director,
Transannaberg sp. z o. o.

LOOKING FOR ONE-TO-ONE ADVICE?

We would be delighted to spend some time advising you on the right solutions for your specific needs.

Call us on **+49 7804 49-530** or
send us an e-mail to **heavy@doll.eu**.

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

DOLL®

DOLL® Wind Blade Transport System

**One system. For every wind blade.
On the market for over 100 years.**

Transport wind blades up to 120 m in length and 32 t in weight.
For maneuvers and challenges of today and tomorrow.

MORE ON **WINDBLADE.DOLL.EU**

A system that grows with changing needs.

A system that meets the highest quality standards and adapts to growing transport challenges. Even more importantly, a system that is compatible with wind blades from any manufacturer. DOLL® combines cost-effectiveness, efficiency, and time savings in a single system.

- For wind blades up to 120 m in length and 32 t in weight
- Official approval for the DOLL® wind blade transport system from all major manufacturers: **Nordex ■ Siemens Gamesa ■ GE ■ Vestas ■ Enercon ■ Suzlon interfaces** and many more
- Close collaboration with our partner HAWART
- Use of high-quality components and renowned brand products
- Proven trailing dolly technology with DOLL®'s proprietary hydraulic steering
- Exceptional ground clearance and outstanding maneuverability
- Ingenious system for the lowest transport height on the market
- Minimal modifications to road infrastructure required
- DOLL® wind blade transport systems ensure fast and efficient loading and unloading



First successful test loading of the Enercon E-175 EP5 prototype wind blade.

The rotor blade of the E-175 EP5 system is the longest that ENERCON has developed and produced to date. DOLL® was the first manufacturer of wind blade transport systems to successfully test the transport of the new ENERCON wind blade.



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und Video auf
YouTube ansehen

The lifting adapter that fits your needs.

We offer a full range that covers rigid, mechanical and hydraulic adapter solutions. Looking for something lightweight and inexpensive? A lifting adapter with mechanical lifting equipment is what you need. For maximum operating comfort, the hydraulic adapter provides a lift of up to 1,800 mm and can be mounted on a fifth wheel coupling or a dolly, depending on the requirements. What all three systems have in common is their exceptionally low coupling height and a possible saddle load of up to 32 tons.



Lifting adapter with hydraulic lifting equipment for 3-, 4- or 5-axle truck (depending on permitted axle load)



»»Universal².««

- Removable root consoles make it possible to accommodate each manufacturer's own root frame.
- The same applies to the tandem frame, which is prepared for the installation of manufacturer-specific clamping devices.



»»Smart Sensor Technology.««

- Enhanced safety through early warning signals when steering angle increases, preventing lateral forces on the blade.
- Before reaching a 5° steering angle, the system sends warning signals to the driver to prevent damage to the wind blade.

»»Tried-and-tested technology.««

- Radio controlled, hydraulic steering
- Maximum manoeuvrability thanks to the self-steering attachment's slewing ability
- Variable wind blade overhangs
- Driving offset to the side possible



»»Fantastically fuel-efficient.««

- The self-steering trailer, dolly and truck can transform into a short vehicle combination on empty trips.
- This saves time and money, and reduces fuel consumption.
- Empty trips do not require special approval



»»Modular Adapter System.««

- One adapter for every wind blade model. A specialized perforation on the adapter allows for the fastest and easiest attachment and exchange of adaptations.
- The hose assembly with integrated power supply can be stored neatly in the lifting adapter frame during empty trips.



»»Manual Auxiliary Steering.««

- Manual steering of the trailing dolly via remote control.
- Lowering and raising of the lift adapter, as well as support on the dolly during empty runs, are possible.



»»Equipped for the future.««

- A 2-axle dolly can be added later to accommodate even heavier blades.
- The lifting adapter is mounted directly on the dolly.



»»More Comfort. More Ergonomics.««

- The optimized placement of the hydraulic levers on the lift adapter simplifies operation and provides an ergonomic advantage compared to the previous model.



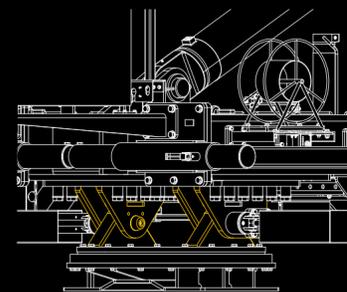
»»Perfectly connected + Smart Charging System.««

- Easily attachable wire rope connections with grip hoists enable efficient tensioning of cable connections.
- DOLL® Powerboost ensures continuous battery charging in the trailing dolly without voltage loss.
- Secure cabling along the side of the wind blade protects the load from damage caused by cable vibrations.
- The smart charging system maintains the power supply of the trailing dolly's battery, ensuring continuous operability.



»»Maximum flexibility.««

- The screw-in rocker bearing can be adapted to the slewing radius that the lorry requires.
- Hydraulic bolt connection for easy detachment of the lorry.
- Screw-in extensions for optional dolly operation.



»»Exceptional slewing abilities.««

- The lifting adapter with torque bearing and seasaw bearing allows the blade to rock consistently in its longitudinal direction.
- The seasaw bearing is available as a separable version.
- Highly resilient slewing connection for mounting on standard truck interfaces.