

**DOLL®**

WIND BLADE TRANSPORT 4.0

„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 Wiesiolek  
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**.

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## The intelligent transport system that grows with its tasks.

Up to 100 m in length and 35 t in weight. For every manoeuvre and any requirement of today and tomorrow.

MORE ON [WINDBLADE.DOLL.EU](http://WINDBLADE.DOLL.EU)

## A system that grows with changing needs.

Getting giant wind blades around tight bends takes an exceptional piece of equipment. That's why we've funnelled our more than 100 years of experience in self-steering trailer technology into developing a system that's fit for whatever the future brings. Big-name transport companies throughout Europe are already using this technology of tomorrow – today.

- For wind blades up to 100 m in length and 35 t in weight
- Interfaces and adaptations are available for every type of wind blade
- Enercon • GE • Nordex • Siemens Gamesa • Suzlon • Vestas
- Close collaboration with our partner HAWART
- Built with high-quality components and well-known brand products
- Field-tested self steering dolly trailer technology with a hydraulic steering system developed by DOLL®
- Extraordinary ground clearance and outstanding manoeuvrability
- Sophisticated system for transport vehicles within the four-metre mark
- Hardly any changes to road infrastructure required
- Can be retrofitted with Jeep Dolly for even heavier blades



## The best is our standard.

Working together with our partner HAWART, we have packed the expertise it takes to construct vehicles and loading frames into the DOLL® wind blade transport system. We have drawn on many years of in-depth feedback from almost every wind turbine manufacturer out there to create the perfect interfaces. With HAWART's expertise, we can guarantee a connection to any wind blade – whether the application involves a transport frame or an adapter.

**HAWART**  
windpower in motion

# 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. The hydraulic adapter delivers outstanding convenience with a 1000 mm stroke – and it can be mounted on a fifth-wheel coupling or dolly, depending on the purpose of the application. What all three options have in common is their low hitching point and potential fifth-wheel load of up to 32 t.

**DOLL®**



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

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



## »»Universal<sup>2</sup>.««

- 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.



## »»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



## »»Neatly stowed.««

- The hose assembly with integrated power supply can be stored neatly in the lifting adapter frame during empty trips.

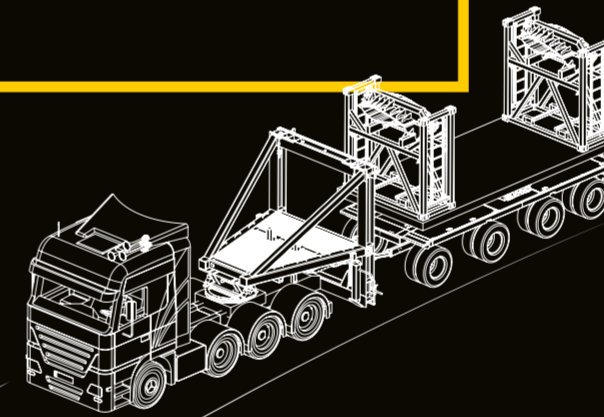
## »»Fantastically fuel-efficient.««

- 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



## »»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.

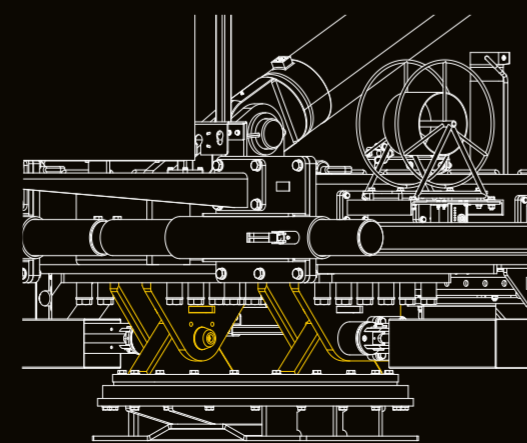


## »»Perfect connections.««

- Easy-to-attach wire rope connections with grip hoist ensure efficient cable connection clamping.
- DOLL Powerboost ensures the battery in the self-steering trailer is permanently charged – with no loss of voltage.

## »»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.

