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| Pfedelbach, Pfreimd |

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| **RotorBladeTransportSystem from SCHEUERLE masterfully completes challenging assignment:Economical transport of extremely long rotor blades** |

**- RBTS demonstrates extremely high manoeuvrability**

**- less approval process and faster transport procedures**

**- vehicle fleets optimally prepared for the future with RBTS**

**- system proves that it deserves the title “Trailer Innovation 2021”**

“The length of rotor blade transports is always a challenge! Everything went very smoothly during the complete assignment”, said Peter Schwandner, Managing Director of P. Schwandner Logistik + Transport GmbH. He applied the RotorBladeTransportSystem (RBTS) from SCHEUERLE, a subsidiary of the Transporter Industry International Group (TII Group) owned by the Rettenmaier entrepreneurial family from Heilbronn, Germany.

**No dismantling of crash barriers thanks to RBTS**

The complete vehicle combination measured an impressive 86 metres. The innovative RBTS comfortably negotiated a number of bottlenecks along the 680 kilometre route from the port of Cuxhaven to a wind farm near Erfurt without any problems. “Normally, we would use a telescopic semi-trailer for such transport assignments. In order to get through the various bottlenecks using this, we would have had to dismantle crash barriers”, reported Peter Schwandner. This would have cost additional time and money. The approval process would also have been more complicated. “The RBTS provides us with significant economic advantages”, said the Managing Director. The system from SCHEUERLE offers outstanding advantages even on uneven surfaces. The RBTS can also be used to compensate for large differences in height between the dolly and the trailing unit. The lifting height reaches up to two metres at the front and up to one metre at the rear.

**Driver praises the easy handling of the RBTS**

Hubert Drechsel, driver of the four-axle tractor unit, was also full of praise for the RBTS: "The system is relatively easy to use." Schwandner added: "We could not have been able to move the new V 162 blade type from Vestas at all without the RBTS." Then, the latest rotor blades for even more powerful wind turbines are not only 70 metres long which means they are considerably longer; furthermore, the diameter of the rotor blade root also increases significantly. Conventional telescopic trailer combinations can quickly reach heights of 4.5 metres and more. The trailing unit concept, whereby the rotor blade serves as a link between the mounting on the tractor and the trailing unit, facilitates a total height of around four metres.

**Equipped for the future with the RotorBlatt TransportSystem**

"We expect to see an increasing number of rotor blades with lengths of more than 80 metres," said the company boss. Transport assignments for the wind power industry play an important part in the heavy-load logistics provider´s business.

**A development from the practice for the practice**

The RBTS is a joint development between SCHEUERLE and Vestas, the world's leading provider of wind turbines. The system consists of a 2-axle Jeep dolly together with a free-turning device and a 4-axle trailing unit. Assembly of the wind blade is carried out according to the plug-and-play principle. With the help of a special lifting device, the wing root is comfortably picked up from the ground. The quick coupling solution is comprised of the free-turning device along with the root adapter and a root frame that is connected to the blade root. This frame can then be secured to the free-turning device in next to no time with the help of the adapter. A clamp on the dolly is used to fix the tip of the rotor blade into position. At the same time, the ingenious attachment of the blade facilitates torsion-free mounting and safe transportation. The RBTS also offers numerous advantages regarding empty runs. It can be shortened to a 16.5 metre long tractor-trailer combination, with a 2.55 metre width, under four metres high and weighing less than 40 tonnes. This means that no special permit is required for an empty run. In addition, the RBTS can be adapted to accommodate rotor blades from other manufacturers.

**Prestigious European award for the RBTS**

Through its successful maiden run, the RBTS has masterfully proven that it has rightly earned the internationally renowned title “Trailer Innovation 2021”. In September, a jury consisting of journalists from 16 European transport magazines recognised the innovative concept of the RBTS. The system was awarded first place in the chassis category.

**Photo:**

The RBTS from SCHEUERLE is easy to operate and also negotiates tight spaces with ease.

**Company profiles**

The Transporter Industry International Group (TII Group) belongs to the Rettenmaier entrepreneurial family and is a globally active manufacturer of heavy-duty and special vehicles. It is comprised of the Scheuerle, Nicolas, Kamag and TIIger brands, and has a workforce of around 900 employees. With innovative vehicles for logistics yards, public roads and industrial areas, the world market leader for heavy-duty vehicles with hydraulic pendulum axles supports its customers – from transport and logistics, building industry, plant engineering, air and space travel, shipbuilding through to energy, steel and mining – for realising a wide range of complex transport tasks. Transport assignments include construction machinery, wind turbine facilities, ships, antennas as well as entire factory plant. The TII Group holds the current world record of over 17,000 tonnes for transporting extremely heavy loads on vehicles. The TII Group focuses on product quality and innovations for the future of heavy-duty transportation mobility. In addition to locations in Germany, France and India, the Group has a global sales and service organisation.

[www.tii-group.com](http://www.tii-group.com/)

P.Schwandner Logistik + Transport GmbH is a high-performance provider of international transport and logistics solutions. The company specializes in the efficient and economical transport of agricultural and construction machinery, industrial equipment and, in particular, the transport of components for wind turbines. The company is headquartered in Pfreimd and also has a branch office in Berlin. The corporate network also includes TransOst Logistik GmbH and companies in Serbia, Bulgaria, Romania, Moldova, Russia and Ukraine.

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