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Premiere for ENERCON: New BladeLifter from TII SCHEUERLE masters first rotor blade transports

For the first time, the wind turbine manufacturer ENERCON has used its new SCHEUERLE BladeLifter for the transport of rotor blades. The transport solution, recently delivered by TII SCHEUERLE, was deployed during the construction of the Olsbrücken wind farm in Rhineland-Palatinate and proved its capabilities under challenging conditions.

At Olsbrücken, two additional ENERCON E-138 EP3 turbines with a hub height of 160 metres are currently being erected. Together with the existing turbines, the wind farm will feed a total capacity of 8.52 megawatts into the grid. The operator is juwi Beteiligungs GmbH & Co. NaturPower 4 KG, based in Wörrstadt. Commissioning of the new turbines is planned for early November.

The challenge involved transporting rotor blades approximately 68 metres long through narrow village streets, across railway crossings and along winding rural roads. The SCHEUERLE BladeLifter G4 was used by ENERCON for the first time on this project. With its ability to hydraulically raise and tilt rotor blades by up to 60 degrees, transports were carried out safely and efficiently.

Björn Feddermann, Global Logistics Project Manager at ENERCON, explains: “The BladeLifter G4 opens up new possibilities for us in transporting our rotor blades. Especially with long components and demanding routes, the technology gives us greater flexibility and planning reliability. For us as a team, this first deployment was a real challenge – but both the equipment and the crew mastered it brilliantly.”

The successful transport was carried out by the operator team led by Björn Feddermann, consisting of Stefan Grote, Kevin Hellbach, Malte Tjarks, Klaus Richter and Andre Engel. Their dedication and precise coordination were crucial to the smooth execution of ENERCON’s first BladeLifter operation.

In addition to the logistical benefits, ENERCON was particularly convinced by the overall package: TII SCHEUERLE’s transport solutions are well established on the market, other systems are already in use within the company, and the collaboration proved excellent. “We had a competent contact person for every aspect; the know-how was extensive, and our feedback was always welcomed,” adds Feddermann.

Following the successful experience in Olsbrücken, ENERCON is already planning the next use: at the Bingen wind farm near Sigmaringen on Lake Constance, the SCHEUERLE BladeLifter G4 will once again be deployed.

This transport solution demonstrates how modern heavy-duty technology supports the expansion of renewable energy: fewer interventions in infrastructure, greater planning reliability and improved efficiency – benefits ENERCON intends to leverage in future projects.



Photos



The SCHEUERLE BladeLifter G4 in action for ENERCON: Transporting the approximately 68-meter-long rotor blades required navigating narrow farm roads and challenging terrain.



The SCHEUERLE BladeLifter G4 allows the hydraulic lifting and tilting of rotor blades by up to 60 degrees.



Precision work at night: Transporting the rotor blades through residential areas demands utmost attention and perfectly coordinated teamwork.



Over the tracks: With its raised rotor blade, the SCHEUERLE Bladelifter G4 safely crosses a railway line.



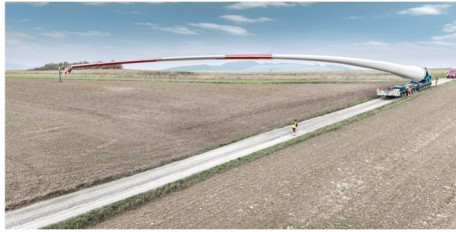
Between houses and streetlights – thanks to the BladeLifter's lifting and tilting function, there is enough clearance even in narrow urban areas.



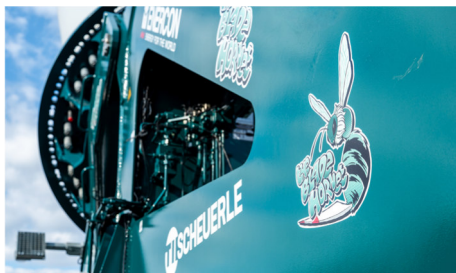
Safely through the curves: The team led by Björn Feddermann manoeuvres the rotor blade transport on its way to the Olsbrücken wind farm.



Narrow, steep, and winding – the SCHEUERLE BladeLifter G4 masters even the most demanding routes.



The first deployment of the SCHEUERLE BladeLifter G4 was a success: The operator team led by Björn Feddermann ensured the smooth execution of ENERCON's premiere transport.



ENERCON gave its new SCHEUERLE BladeLifter a personal emblem – the “Blade Hornet.” The distinctive design symbolizes strength, precision, and team spirit.

About TII Group

The TII Group, a company owned by the Heilbronn-based Otto Rettenmaier family, is a globally active manufacturer of heavy-duty and special vehicles and has a workforce of around 1,000 employees. The Group includes industry specialists, TII SCHEUERLE and TII KAMAG, and has production sites in Germany and India along with a worldwide organisation of sales and service partners. With innovative vehicles for manoeuvring and transportation operations, the TII Group, which is listed in the index of world market leaders, supports its customers in the transport and logistics sectors, building industry, plant engineering, air and space travel, shipbuilding, energy, steel and mining as well as yard logistics for realizing a wide range of complex transport tasks. The TII Group holds the current world record of over 23,000 tons for the transportation of extremely heavy loads on vehicles. TII stands for the tradition of innovation, customer orientation and partnership as well as for high product quality and sustainability in heavy-duty mobility.

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