PRESS RELEASE

21.06.2022
Munich
bauma, FN828

No energy transition without special transport: transporters from the TII Group make an indispensable contribution Prof. Dr. F. J. Radermacher speaks at the bauma at the TII Group stand

Climate neutrality by the middle of the 21st century is necessary for maintaining the quality of life on earth. This goal can only be achieved with the help of renewable energies. The plant facilities needed for this require special transport vehicles. Through its vehicles manufactured for the energy-generating industry, the TII Group contributes to the success of the energy transition. On 26th October at the bauma trade fair at the TII Group stand, renowned scientist, Prof. Franz-Josef Radermacher, will be explaining how their importance will continue to increase.

The goal of achieving climate neutrality by the middle of the 21st century is necessary in order to limit global warming to 1.5 degrees centigrade. According to the Intergovernmental Panel on Climate Change, this is the only way to ensure that climate change is stopped. A key success factor here is energy transition, i.e. the decarbonisation of the energy supply. In order to ensure that the switch to renewable energies such as wind energy, photovoltaics and hydropower but also methods of CO2 capturing and thus CO2-neutral energy production is successful, new construction or conversion of power plants and supply infrastructure is required. This applies regardless of how CO2 neutrality is achieved. Special transports are essential for plant construction. With their innovative, economically efficient special vehicles, the subsidiaries of the Heilbronn-based TII Group are supporting the energy transition process.

Transporter Industry International GmbH
Kalistraße 57
74076 Heilbronn, Deutschland
www.tii-group.com

TII SCHEUERLE: the first choice for manoeuvring and transportation in the energy producing industry

Due to the diverse configuration options of each individual series and because of the combination possibilities of equipment components, the vehicles from TII SCHEUERLE offer discerning customers unlimited application options. Thereby the portfolio ranges from vehicles for light-duty operations with payloads of 36 tonnes through to transports with theoretically unlimited payloads. The wide range available convinces customers when it comes to manoeuvring and transporting in the energy-generating industry.

The self-driven modules of the SPMT (Self Propelled Modular Transporter) series from SCHEUERLE, whose payload is theoretically unlimited due to the wide range of possible combinations, as well as the modules of the InterCombi SPE series, are essential tools for operations in the renewable energy industry. With the help of the versatile transporters, components used in the most powerful energy systems, for example, reach their destination efficiently and safely. Common loads in the offshore wind energy sector include, for example, extremely heavy tripods, foundation piles (monopiles) and gravity foundations.

Trendsetting special equipment for the wind power industry

Specialised systems such as the fourth generation rotor blade adapter (G4) really show their strengths on surfaced roads and public highways. It is characterised by its extraordinary level of performance and will be able to accommodate future rotor blades with lengths of more than 100 metres safely and efficiently, especially in connection with the quick-change system and the ability to swivel and lift these over obstacles. In contrast to some competitors´ products, the maximum load moment of 900 metre tonnes can be used over the complete set-up angle of 60 degrees so that even heavier or longer rotor blades, such as those used for the most powerful wind turbines, can be transported efficiently. The system has already proven its operational performance capability during numerous transport assignments carried

Transporter Industry International GmbH
Kalistraße 57
74076 Heilbronn, Deutschland
www.tii-group.com

out by the Trier heavy-load logistics company, Steil Kranarbeiten, whereby rotor blades with lengths of 80 metres were safely transported whilst not pushing the rotor blade adapter G4 to the limits of its capacity.

Another indispensable product for the wind power industry is the rotor blade transport system (RBTS) from SCHEUERLE which has received awards from leading specialist media. The combination with a trailing unit allows all rotor blade types to be safely transported over long distances and provides an extraordinarily high level of economic efficiency thanks to the crane-free pick-up of the load and the intelligent solution of driving empty runs without a special permit. The RBTS is also ideally suited for handling current and future generations of rotor blades. The system demonstrated this impressively during its maiden outing through the special goods haulier, P. Schwandner Logistik + Transport GmbH.

Vehicles for all payload classes for transporting transformers

Transformers are another indispensable component of the energy transition. Systems of all performance and weight classes reach their destination safely and economically with vehicles from TII SCHEUERLE. While the semi-modular vehicles of the EuroCompact series are used to transport the relatively light versions weighing less than 100 tonnes on public roads, TII has vehicles and self-propelled vehicles from the InterCombi and K25 series in the PB, SP and SPE versions for accommodating the very heavy systems.

TII SCHEUERLE is “Green Technology Innovation Leader”

The innovative power provided by the TII Group subsidiaries has great appeal. Renowned research institutes have repeatedly recognised the TII Group for their innovative transport solutions in recent years. Thus, among other things, SCHEUERLE can rightly call itself the “Green Technology Innovation Leader”. The well-known F.A.Z. Institute singled out the TII Group subsidiary for its "green" innovations in the field of vehicle construction.

Transporter Industry International GmbH
Kalistraße 57
74076 Heilbronn, Deutschland
www.tii-group.com

Leading scientist Prof. Dr. F.J. Radermacher confirms: the importance of heavy transport continues to increase as a result of the energy transition

Just why heavy transport is an indispensable element of the energy transition process and why the importance of the products from the TII Group will increase even further, will be explained in detail by the renowned scientist Professor Dr. Franz-Josef Radermacher on Wednesday, 26th October at the bauma stand of the TII Group. Prof. Franz-Josef Radermacher is CEO of FAW/n (Research Institute for Applied Knowledge Processing) and held the Chair for "Databases/Artificial Intelligence" at the University of Ulm. In addition, the PhD mathematician and expert economist was a member of the Advisory Board of the Federal Ministry of Transport and Digital Infrastructure from 2000 to 2018. Among other things, Radermacher is a member of the Club of Rome experts organization as well as Vice-President and Honorary President of the Senate of Economics e.V., Vice-President of the Ecosocial Forum Europe, and Deputy Chairman of Global Energy Solutions e.V. Radermacher advocates the fair and sustainable shaping of globalization and the so-called ecosocial market economy. He is one of the spiritual fathers of the Global Marshall Plan Initiative whose goal is the development of humanity on the basis of justice, solidarity, sustainability and dialogue between cultures.

Transporter Industry International GmbH
Kalistraße 57
74076 Heilbronn, Deutschland
www.tii-group.com

Photo:

Successful transport: with the SCHEUERLE InterCombi, approx. 80 metre long rotor blades were transported to the Flöthe wind farm. Through the help of the rotor blade adapter G4, wind blades of up to 900 metre tonnes can be lifted up to 60° and thus safely negotiate every bottleneck and swivel over numerous obstacles.

Video: https://www.youtube.com/watch?v=5e7VOVpx4aM

Transporter Industry International GmbH
Kalistraße 57
74076 Heilbronn, Deutschland
www.tii-group.com

Company profile

TII, a company owned by the Heilbronn-based Otto Rettenmaier family, is a globally active manufacturer of heavy-duty and special vehicles. It includes industry specialists TII SCHEUERLE and TII KAMAG and has a workforce of around 900 employees. With innovative vehicles for manoeuvring and transportation operations, the world market leader for heavy-duty vehicles with hydraulic pendulum axles 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 realising a wide range of complex transport tasks. The TII Group holds the current world record of over 17,000 tonnes for transporting 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.

www.tii-group.com

Press contact

Irene Kromm
Marketing Manager / PR
irene.kromm@tii-sales.com

Transporter Industry International GmbH
Kalistraße 57
74076 Heilbronn, Deutschland
www.tii-group.com