

### Beluga Shipping

The area of operation for the new jack-up vessels of the joint venture BELUGA HOCHTIEF Offshore (BHO) will be out at sea. On its vessels the joint venture offers performance in both power and mobility: 8,000 tonnes loading capacity, 1,500 tonnes crane capacity, 12 knots service speed, 2 system dynamic positioning.

Booth no.: 6D04

### BGB Engineering

BGB Engineering is a manufacturer of slip rings, slip ring assemblies, brush holder assemblies, lightning protection, static earth dissipation and fibre-optic rotary



BGB nacelle products

joints (FORs). The principal focus of the stand will be on showing fibre-optic, hub control, power and signal slip rings alongside brush and cage assemblies.

Booth no.: 5B03

### Carlisle Industrial Brake & Friction

At Husum Carlisle will present its range of noise-free brake linings, manufactured from a proprietary (non-asbestos) material at their ISO9001-approved friction plant, where the friction material is integrally moulded onto the backing plate to provide excellent shear strength and in-service integrity.

Booth no.: 2D07

### ContiTech Vibration Control

ContiTech Vibration Control's focus this year is on product solutions for wind energy plants and their computational construction with the help of computer programs and simulations. The company has decades of experience with controlled process manufacture of suspension components for industrial applications and offers customised vibration control technology from one source.

Booth no.: 2C02

### DUWET

Danish University Wind Energy Training (DUWET) is a joint operation between Risø DTU - National Laboratory for Sustainable Energy, Aalborg University and Aarhus University. DUWET also cooperates with large parts of the Danish wind energy industry. DUWET runs standardised, short-term courses on a regular basis (e.g. Wind Energy Basic Courses for Engineers, Wind Energy Basic Courses for Generalists and Basic Courses on Offshore Wind).

Furthermore, DUWET provides different wind energy advanced courses for R&D engineers and project managers. DUWET also offers specially designed courses as in-house training tailored for the customers.

Booth no.: 4C01



DUWET offers a wide variety of educational opportunities within the wind power industry

### Elos Fixturlaser

There are many factors to consider when performing wind turbine alignment (e.g. safety protocols and routines, the turbine design; alignment with or without coupled shafts, is the shaft rotatable, etc.). To deal with these factors, Elos Fixturlaser AB has, in cooperation with major wind power manufacturers, developed manufacturer-specific fixture solutions for measuring and aligning the generator to the gearbox.

Booth no.: 4B18

### Enerpac

Enerpac offers professional bolting tools such as hydraulic torque wrenches, hydraulic pumps, bolt tensioners, nutsplitters, flange spreaders, alignment tools and synchronous positioning systems.

Booth no.: 3B04

### Force Technology and PP Techniq

The new blade guided working platform FF360 will be launched during HUSUM by PP Techniq. This concept provides unique features for qualified on-site maintenance and inspection work on rotor blades, without bringing them to the ground. Dedicated collaboration between FORCE Technology and PP Techniq has brought a solution for automated non-destructive testing (NDT) inspection on installed rotor blades. FORCE Technology contributes with a new P-scan device, AMS-47, developed specifically for automated inspection from the blade guided working platform. Professional condition mapping of blades during the operating lifetime becomes feasible, even under harsh weather conditions,



The blade guided working platform FF360

without demounting blades from the wind turbine. The technology may be applied both onshore and offshore.

Booth no.: 0F17 (outdoor) 3A01 (indoor)

### Fuchs Windpower Division

The Fuchs Windpower Division offers wind power customers a wide range of high-performance greases and pastes (Fuchs Lubritech) as well as hydraulic and gear oils (Fuchs Europe Schmierstoffe).

Booth no.: 3B05

### Gamesa

Gamesa has more than 15 years of experience in renewable energy technologies, primarily wind. The company has installed more than 18,000MW throughout the world. The company will participate in the exhibition using the theme, Gamesa Innovates: Evolution of a Technology, detailing the history and development of a broad range of platforms and wind turbines, from the Gamesa GSX-850kW to its latest technological innovations, the Gamesa G9X-2.0MW and the Gamesa G10X-4.5MW.

Booth no.: 2D10

### GasTOPS

GasTOPS provides products and services for machinery condition monitoring to operators, maintainers and manufacturers of critical equipment in the energy, aviation, defence and transportation industries worldwide. The company's in-line, full-flow oil debris sensor technology, MetalSCAN, is used for monitoring and managing failures of wind turbine gearboxes.

Booth no.: 3F12D

### GE:Net

Ge:Net GmbH offers turnkey wind measurement stations, in both tubular and lattice designs, measurement equipment, wind analysis and installation, using its own teams, all over the world. With more than 200 projects worldwide since 2001, and tower heights to 125 metres, Ge:Net has extensive knowledge in wind measurement projects.

Booth no.: 3D10

### Geislinger

Geislinger will show the Compowind - a new coupling for the fast shaft on wind turbines (between the gearbox and the generator). Composite misalignment elements and a new integrated slip coupling are the unique and distinguishing features. Modular design enables easy adaptation to different installation situations. Due to the use of high-tech composites the coupling is maintenance-free, lightweight and durable. The Compowind misalignment elements are made from advanced composites.

Booth no.: 1A06

### HAWE Hydraulik

Type KA, the compact power pack from HAWE Hydraulik SE, Munich, is suitable for the hydraulic brake of wind turbine rotor