



**FOR IMMEDIATE RELEASE**

## **Business case assessments drive cost effective use of materials in blades for offshore wind energy installations in STRUCTeam's new wind blade design portfolio**

**Cowes, UK – Tuesday 1 September 2015:** STRUCTeam has launched its new wind turbine blade reference design portfolio. The portfolio features an innovative hybrid glass-carbon composite blade design created for offshore wind turbines. Developed in association with DNV GL (formerly Garrad Hassan), STRUCTeam's portfolio enables wind turbine original equipment manufacturers (OEMs) to benefit from turbine performance and operating cost improvements based on proven composites blade solutions and positive business case assessments.

"It has been an exciting time for STRUCTeam's wind energy team with several successful new product launches," highlights Engineering Manager Chris Monk. "We delivered a certified blade for onshore turbines that is currently in full production. Building on our team's extensive experience, we have extended our reference designs into the offshore arena. Our 78.5m hybrid glass-carbon blade (STL-785-C) is tuned for use on 6MW turbines in large Class IIA offshore wind farm developments."

As part of the work completed on the new STL-785-C blade, STRUCTeam also developed a number of other reference designs and business case assessments that deliver materials usage at the correct technology level for the client's needs. The key findings and business benefits of the tuned design solutions have been shared with the international wind energy community at the International China Windpower show in Beijing and GoCarbon Fibre conference in Cologne.

"For aerodynamic design and turbine loads assessment of our wind turbine blade portfolio, we partner with DNV GL," continues Chris. "Our combined offering brings a very strong solution to any wind energy project. We are experts in managing wind turbine blade development projects and delivering composite structural designs; DNV GL is an aerodynamic design and load calculation specialist and when they partner with us we can manage the whole process for our clients to deliver a turnkey solution."

STRUCTeam is an independent composites engineering consultancy with specific experience and a strong track record of delivering successful, cost-effective and robust blade designs for the wind energy sector. From assessments on specific components to bespoke blade design developments, STRUCTeam delivers a range of services that assist its clients to achieve lowest overall cost of energy.

Chris concludes: "With the addition of the latest designs to our portfolio, the STRUCTeam turbine blade offering now spans power ranges from 2MW to 6MW for on and offshore sectors across a range of wind classes. From the current portfolio of designs, our clients can choose a baseline reference blade for assessment against their turbine requirements. The reference design can then be tuned for optimum performance and the optimal business case."



For information relating to our blade design portfolio, please contact us via email ([info@structeam-ltd.com](mailto:info@structeam-ltd.com)), through our [Website](#) or call us on 00 44 1983 240 534.

Chris Monk, Engineering Manager and Greg Lipoczi, Key Account manager, will be attending Husum Wind Fair on 16<sup>th</sup> and 17<sup>th</sup> September 2015. Please contact Greg ([greg.lipoczi@structeam-ltd.com](mailto:greg.lipoczi@structeam-ltd.com)) to arrange a meeting if you wish to discuss this design portfolio further.

### **NOTES FOR EDITORS**

For further information, including requesting copies of the papers presented at the International China Windpower (Beijing) and GoCarbon Fibre (Cologne), expert commentary, or to arrange interviews with a STRUCTeam spokesperson please contact:

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### **About STRUCTeam:**

STRUCTeam provides management and technology consultancy services to organisations seeking a composites solution for their business. We are passionate about composites and how they benefit your business. Our expertise covers the entire composites lifecycle and supply chain. We apply our skills and capabilities to help you develop new composites materials, production and manufacturing processes, components and products. We are independent, so we are dedicated to finding the most effective design, supply chain and product solution to your composites challenges.