



PRESS RELEASE

GREENBOATS, Sicomin and Bcomp Selected as JEC Innovation Awards 2021 Finalists for Natural Fibre Composite Offshore Green Nacelle.

17th May 2021, France: GREENBOATS, Sicomin and Bcomp are delighted to announce their nomination as finalists for the JEC Innovation Awards 2021. The three project partners have been selected as finalists in the awards' *Renewable Energy* category for their innovative Green Nacelle – the first offshore nacelle manufactured with natural fibre composites (NFC).

The Green Nacelle was designed by NFC innovators GREENBOATS, who were also responsible for the structural engineering, manufacturing and assembly of the nacelle. By incorporating Bcomp's ampliTex™ flax reinforcements, FSC certified balsa wood cores and bio-based resins, the Green Nacelle's NFC construction saves approximately 60% CO₂ equivalent and reduces the energy consumption by over 50% compared to a nacelle made with existing GFRP technology.

In addition to the lower CO₂ footprint, the natural fibre composite structure also introduces viable options for the end of the nacelles' life unlike traditional GFRP structures - an issue of increasing concern for the wind energy sector that presents a great opportunity for natural fibre composites to bring a sustainable change to this market.

Sicomin, the formulator and supplier of the leading range of GreenPoxy bio-based epoxy resin systems, supplied its DNV GL approved InfuGreen 810 resin system that was used to infuse the Green Nacelle's main structural sandwich panels, as well as providing intumescent FR gelcoats, bio-based laminating resins and UV resistant clear coatings for the groundbreaking new nacelle. Materials, as well as on-site technical support, were delivered by Sicomin's German distributor TIME OUT Composites.

"We are thrilled to be nominated as finalists for these prestigious awards and are delighted that the judges have recognized the environmental and lifecycle benefits of our natural fibre composite nacelle demonstrator for the next generation of onshore and offshore wind turbines," comments Friedrich J. Deimann, Founder and CEO of GREENBOATS.



The winners of the awards will be announced during JEC Connect which will be held on the 1st and 2nd June 2021.

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Media Enquiries

100% Marketing

Samantha Keen

sam@100percentmarketing.com