

INNOVATION IN COMPOSITE MANUFACTURE AWARD

SHORTLISTED: Longworth – EMPHASIZING Project

The EMPHASIZING project is Innovate UK SMART-funded from Oct 2022 – Sept 2024, and focuses on recycling composite materials, particularly wind turbine blades, to prevent landfill or incineration.

The project aims to develop a viable value chain and circular economy by converting recycled glass fibres into new products. It involves a full supply chain consortium, with an automotive component, the Ford camber-link, chosen as a demonstrator for lightweight, upcycled materials.

The project’s innovative DEECOM® pressolysis technique separates contaminants from fibres using steam and pressure, yielding high-quality, reusable fibres. These fibres are enhanced with advanced sizing formulations, improving their mechanical properties for diverse reuse.

The project has successfully reclaimed glass fibres from various waste sources and is nearing completion, with further steps involving nano-materials, material characterisation, and product testing to demonstrate the potential of recycled fibres in multiple life cycles.

Learn more at: www.emphasizing.co.uk



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