

INNOVATION IN COMPOSITE MANUFACTURE AWARD

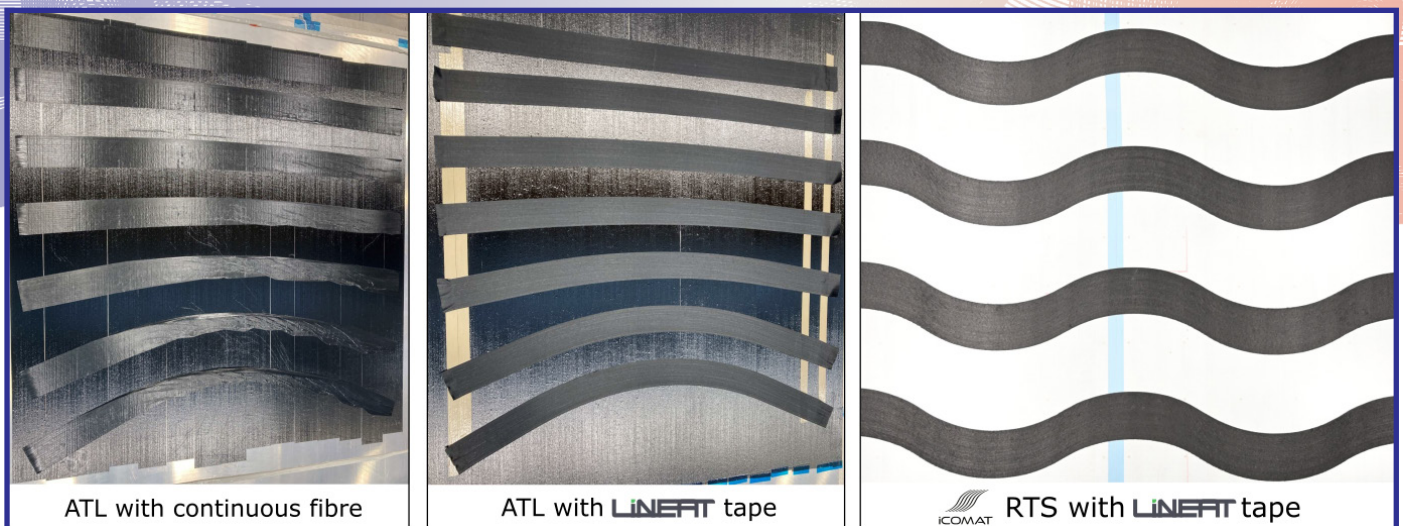
SHORTLISTED: Lineat

Lineat Composites (with iCOMAT and National Composites Centre)

Project ADREP (Automated Deposition of REcycled Prepreg tapes) is a combined material and manufacturing innovation enabled through collaboration, and has demonstrated the first automated deposition of highly steerable carbon fibre pre-preg tape made from reclaimed and re-aligned fibres. It has been performed with iCOMAT and the National Composites Centre (NCC) to push the state-of-the-art in tape laying capability.

Lineat's Aligned Formable Fibre Technology (AFFT), made with reclaimed and re-aligned fibres, were successfully deposited using iCOMAT Rapid Tow Shearing technology, down to 200mm radii (matching virgin material in similar set-up) and using NCC's ElectroImpact automated tape laying system down to 800mm radii (a 10x improvement over virgin material).

Website: www.lineat.co.uk



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