

## INNOVATION IN MANUFACTURE

**Shortlisted: iCOMAT**

The world's first automated deposition process that can steer wide composite tapes with no defects.

iCOMAT Rapid Tow Shearing (RTS) is the world's first automated deposition process that can steer wide composite tapes with no defects.

Fibre Steering allows composite manufacturers to produce components with higher structural efficiency, improved material utilisation and productivity relative to conventional state-of-the-art automated processes.

The RTS capability is showcased in the FibreSteer project, a collaborative R&D effort (Innovate UK project 105793), which has produced a fibre-steered demonstrator wing skin panel which is 65% lighter than the conventional straight-fibre design. Beyond the drastic structural performance benefits, the productivity advantages from using automation to deposit wider, thicker tapes has the potential to deliver cost-efficient, rate-capable structures to aerospace and automotive applications.



Website: [www.icomat.co.uk](http://www.icomat.co.uk)

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