

INNOVATION IN COMPOSITE MANUFACTURE AWARD

SHORTLISTED: GKN Aerospace & Airbus

WoT Composite Spar Challenge

The WoT Composite Spar Challenge is a global first in the production of a one piece 18m RTM spar of high quality and proven tooling technology with increased gulling, sweep and integrated features.

It utilised and proved the use of non-crimp fabric for full plies of 18m length with a Patent in progress.

A handling and forming process for 18m composite structure and tooling was developed as part of the project.

It demonstrated a substantial energy reduction, leading to a more sustainable, lower carbon footprint over existing processes, with a right first time fit to wing trailing edge assembly fixture.

It demonstrated a significant Takt time reduction and rate capability through Discrete Event Simulation (DES).

Website: www.gknaerospace.com

Website: www.airbus.com



AWARD SPONSORS

