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TRISTAR C MK 2 AIRCRAFT

PROJECT: TriStar C Mk 2 aircraft
CLIENT: Marshall Aerospace
DATE: 09 October 2007
DURATION:



PROJECT DETAILS

Our mission was to manufacture composite test canoes for fitting onto the aircraft, to check if any vortices were created that would affect the re-fuelling hoses.

The materials used had to withstand the conditions of flight and the parts had to be aerodynamic.

We produced the canoes using CNC machined female moulds from which epoxy composite structures were produced with fibrelam and aluminum strengtheners. Laser sintering was used to produce nylon parts for the inspection hatches and turret. The sintering process meant a fast turn around and produced parts that were given a smooth finish for aerodynamic testing.

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