

## INNOVATION IN COMPOSITE MANUFACTURE

**WINNER:** Composite Integration

The innovation in this project involved Composite Integration pushing the boundaries of traditional composite processes, working collaboratively alongside Hill Helicopters to develop a complex vacuum tight multi-part tool and process techniques, in order to manufacture a prototype helicopter fuselage in a single shot, infused moulding with no bonded joints.

Composite Integration used its extensive experience in closed mould and infusion process technology to design and manufacture tooling and first off components for the high-performance, carbon epoxy composite fuselage, integrating cores, metallic inserts, and lightning strike protection into this complex single moulding.

Following on from multiple recent projects for both process development and equipment design/manufacture in the aerospace sector, this project provided an excellent platform to demonstrate the company's capabilities.

Founded in 2002, Composite Integration has a proven track record of delivering new technologies, processes, and production solutions into a wide variety of global sectors including aerospace, renewable energy, marine and automotive.



**Website:** [www.composite-integration.co.uk](http://www.composite-integration.co.uk)

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