

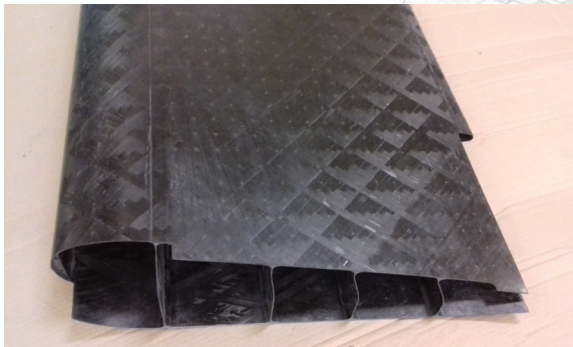


CompoTech

Carbon Composite Components

Composite Aileron Cured in One-Step

- Automated production with no secondary bonding.
- Axially and torsional stiff construction with excellent fatigue properties.
- Tested and certified for production on Aero L-39NG.



Alternative process to traditional moulded part and secondary bonded bulkhead.

Applying robot assisted filament winding and fibre placement for the automated production of an aileron and other wing structures.

Internal longitudinal beams form the profile of the wing section.

Outer layers are wound, consolidating the internal beams and forming the shape of the aileron. The outer surface is then pressed with a flexible vacuum mould at room temperature.



The part is then cured in one step with no secondary bonding.



Having the outer skin fibres continuous around the whole structure increases the overall structural integrity.

Combined with the fact that there is no core material or secondary bonding required the homogenous structure has low risk of delamination.

**JEC Asia Innovation
Award winner 2019**

Innovation

| Structure
| Composite
| Process



CompoTech

Carbon Composite Components

CompoTech Aerospace Solutions

EVOcopter

CompoTech supplies the **Tail Boom** of these ultra-light helicopters. These components feature the most advanced carbon fibre winding technologies.

<https://evocopter.aero>

Aeromobil

The **Drive Shaft** for the AM 4.0 is made by CompoTech.

<https://www.aeromobil.com>



THE FLYING CAR

AeroMobil will bring to market the flying car that is both cool and sophisticated, and will set new standards of innovation, driver and passenger experience, and safety.



AM 4.0



JMB VL-3

The worlds fastest UltraLight Aircraft

CompoTech **Control Rods** manipulate the performance of this aircraft.

<https://www.jmbaircraft.com/VL3>

