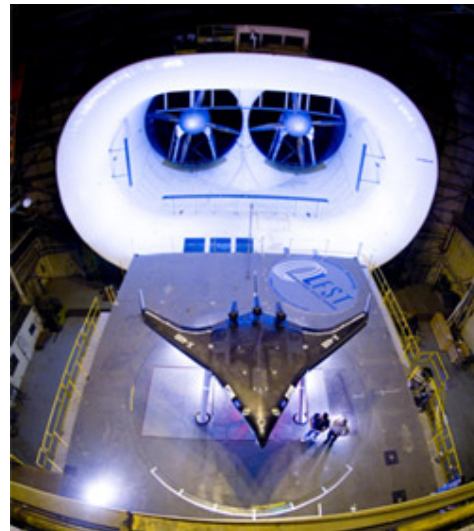


Boeing Blended Wing X-48B

Boeing Blended Wing X-48B

CAe have demonstrated true rapid prototyping technology in support of the Boeing Blended Wing Body programme:

- Turnkey design / build / flight of world leading aircraft concept
- 'Extreme' innovation
- Carbon Composite structures
- Flight Control technology
- Complete aircraft integration, build and ship
- Support to full scale wind tunnel trials
- Short timescales and rapid development
- Co-located continuing support to Boeing flight test programme
- Ongoing design modifications to the air vehicles



Provided with just the outer mould line definition, Cranfield Aerospace have been responsible for the entire vehicle structural design, manufacture and systems integration of the vehicle.



The air vehicle is an 8.5% scale model of the BWB with a wingspan of 6.4 metres and with a maximum take off mass of 180kgs. In addition to scaled geometry, the mass and moment of inertia characteristics are also accurately scaled. Consequently, the dynamic flight characteristics of the model can be extrapolated to give accurate estimates of the corresponding full-scale dynamic behaviour.

Cranfield Aerospace has provided two complete air vehicles together with a ground control station to the Boeing Company.



The Cranfield UAV Systems team along with the Boeing Company Phantom Works and NASA teams continue the flight test programme on this demonstrator vehicle, with the aircraft recently achieving its 50th flight test, a record for X-plane UAVs.

For more information, please contact:

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 MoD (UK) Design Approval under DAOS

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