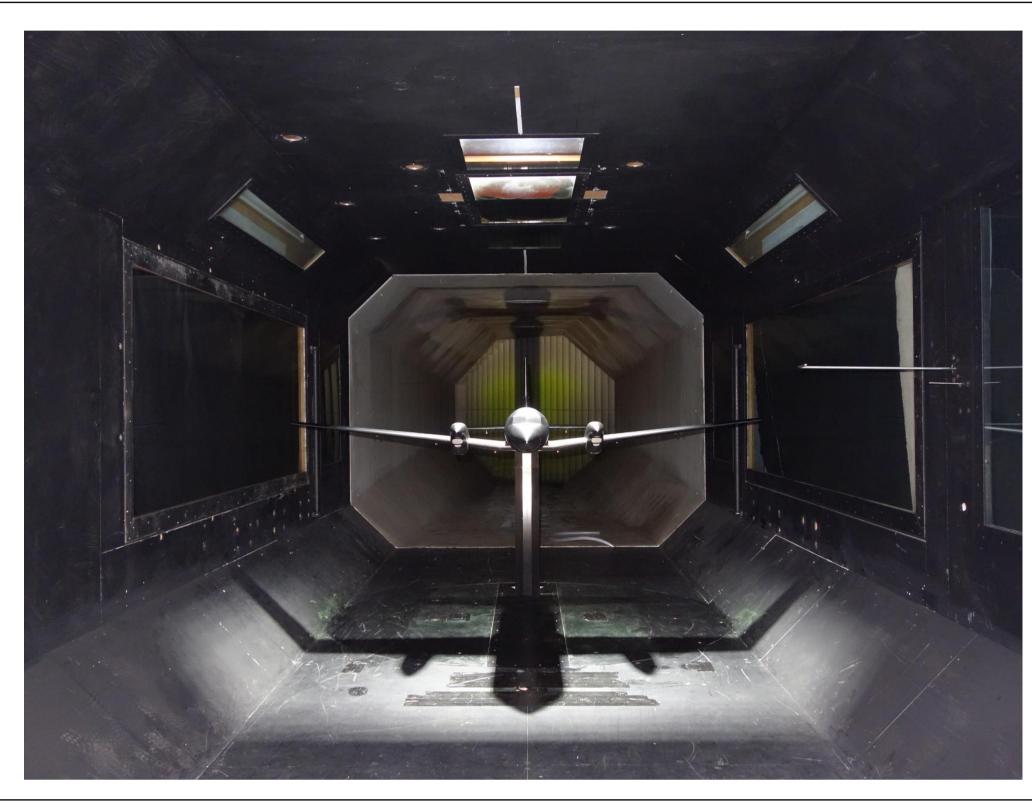


deHavilland wind tunnel

University of Glasgow

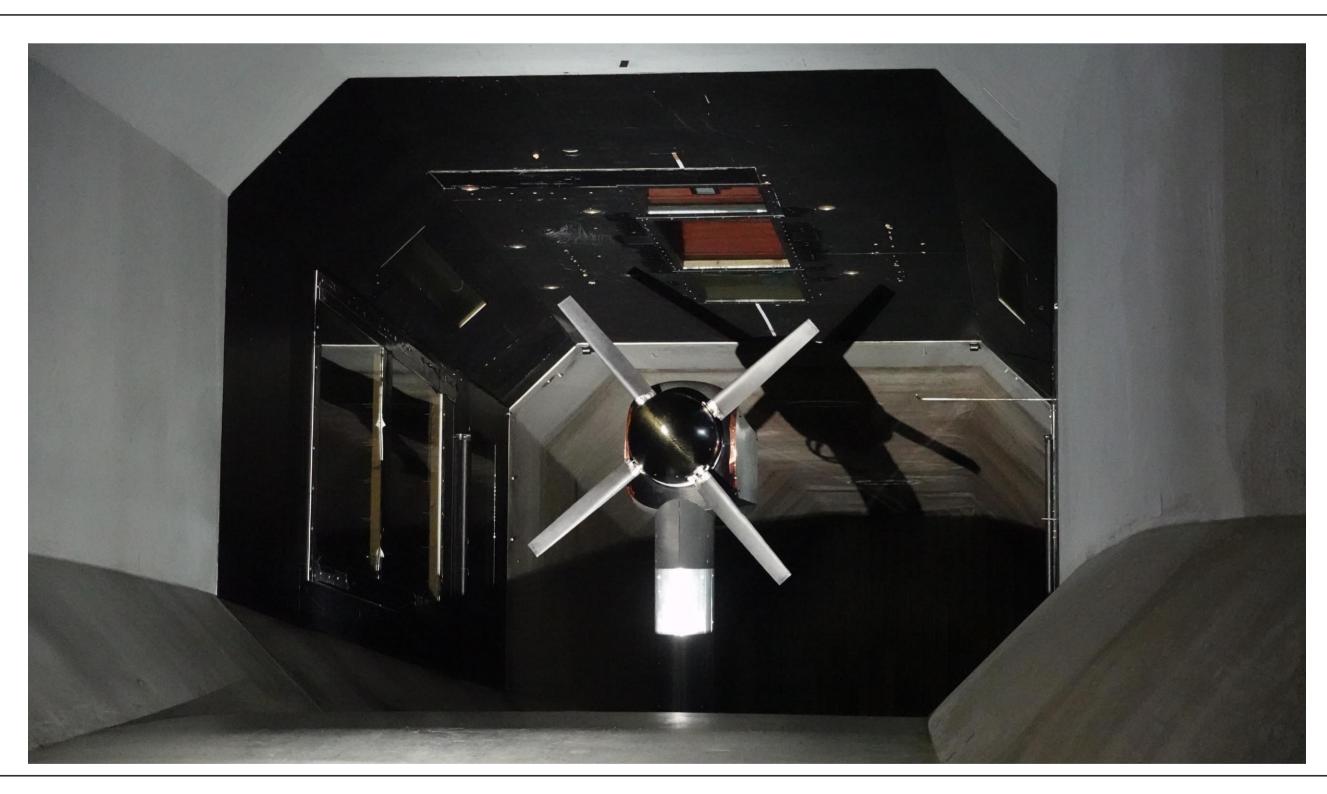


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About the wind tunnel

- Closed-return wind tunnel
- 2.06m wide x 2.66m high x 5.4m long working section
- Maximum wind speed of 70 m/s (156 mph)
- Best usable speed maximum 55 m/s or so
- Turntable and arc sector for model positioning, sting and platform loadcell balances
- Electrical, pneumatic and hydraulic services
- Comprehensive instrumentation systems including for pressure, optical methods



Rotor and propeller experiments

- Rotary wing and propeller testing
- UK rotor rig, 1m diameter
- Telemetry system
- Rotating shaft balance
- Industrial and research council support





















Sting mount

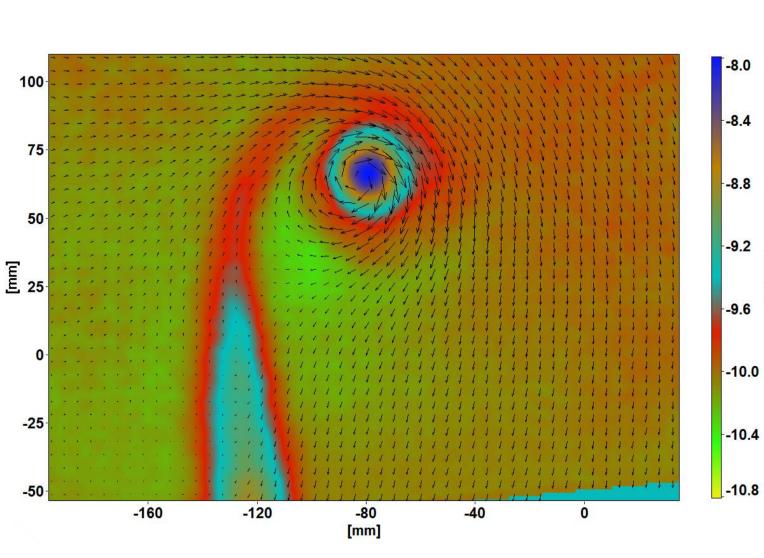
Cantilever mount

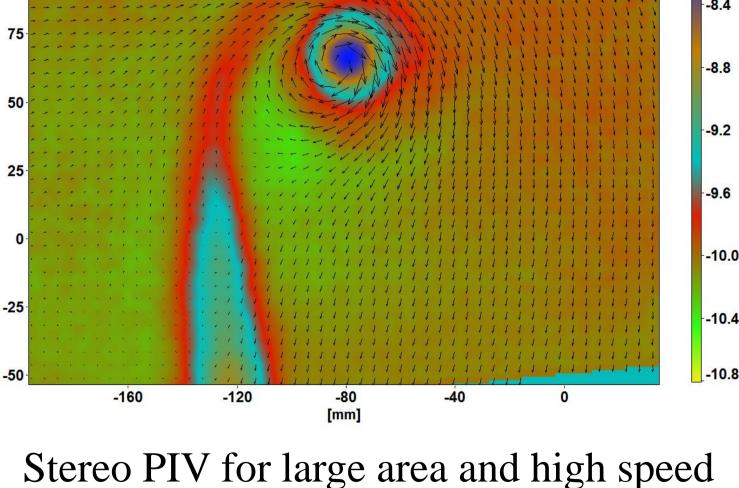
Model mounting and loads measurement

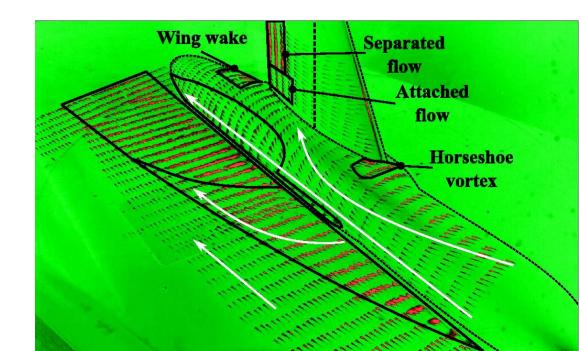
- Sting or cantilever style mounting
- Sting for full body
- Yaw, pitch, roll
- Cantilever for half-body or half-wing
- Turntable yaw for pitch or sideslip
- Six component balance for either mounting method
- Dynamic loads measurement
- Fixed wing, bluff bodies, road vehicles

Highest possible quality scientific data

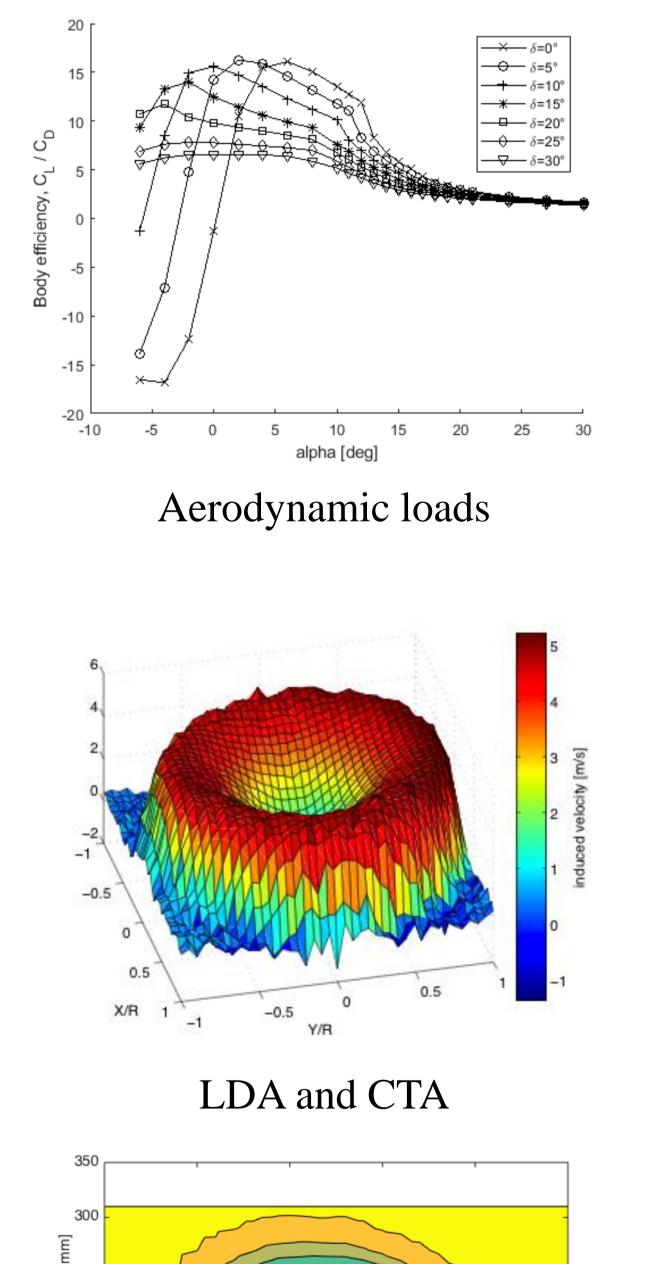
- Lengthy track record of publication from the facility
- Range of funding bodies and commercial customers

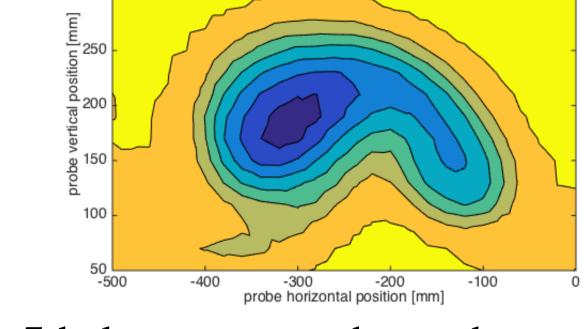






Flow visualisation





7-hole pressure probes and traverse, pressure scanners

