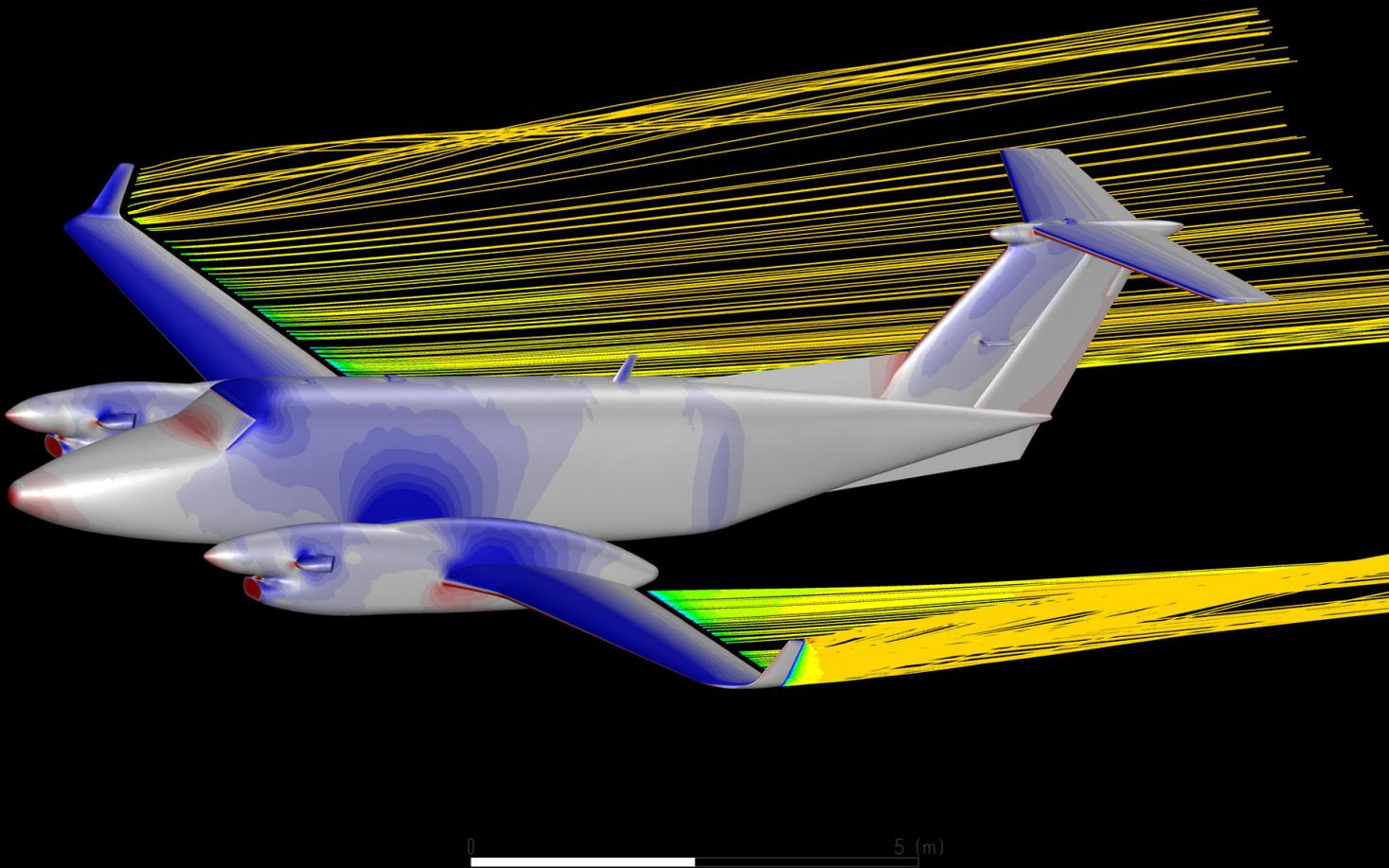


AT A GLANCE

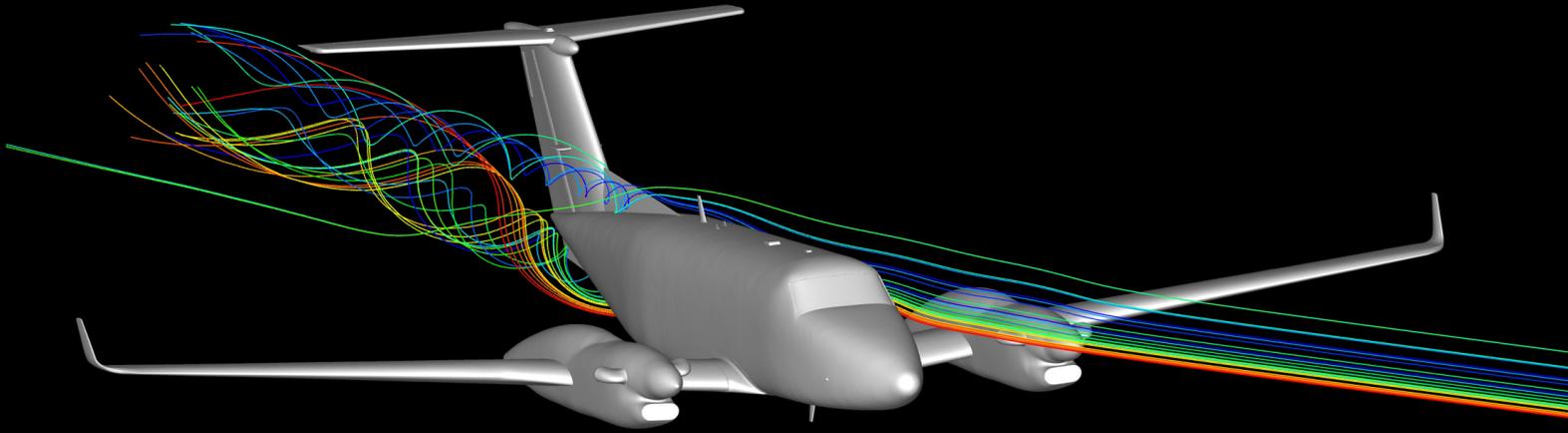
AERODYNAMICS



CORE CAPABILITIES

- Aerodynamic design and analysis
- CFD modelling of aircraft, helicopters and UAVs
- Performance, stability and control assessments
- Rotor aeroelastics for helicopters and propellers
- Loads and aeroelastics
- Wind tunnel test, planning and analysis
- CVE signatory

AT A GLANCE **AERODYNAMICS**



END-TO-END PROGRAMME SUPPORT

High calibre, independent and impartial aerodynamic engineering services.

From conceptual to detailed design, Stirling Dynamics' aerodynamic expertise is utilised to support design and certification for a diverse range of aerospace projects, from large commercial jets to light aircraft, new designs to aircraft modifications.

With over 30 years of experience, Stirling has provided aerodynamic services to Airbus, Bombardier, COMAC, TAI, KAI and Britten Norman amongst others.

MULTI-DISCIPLINARY ANALYSIS

Stirling Dynamics' expertise in aerodynamics, aeroelastics and loads calculation enables the coupling of aerodynamic and structural models in static and dynamic analysis, to support optimised overall design.

High-fidelity Navier-Stokes CFD capability

Aero-structural coupling

Rotor system aeroelastics

Certification loads calculation

Flutter analysis

Flight dynamics simulations & control laws

Icing analysis and flight trials support

EASA / FAA Part 23/25/27

Independent review by industry experts

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