



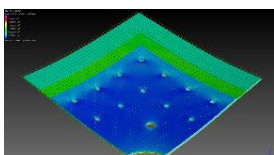
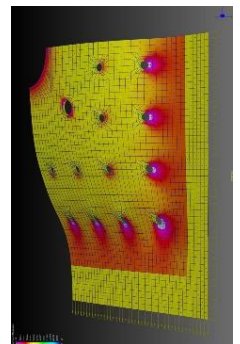
Established in 2014, Aeromechanica aims to be a well-respected and regarded leader in the aviation field, adding value for our clients through the application of sound engineering principles, innovation and technology. Our engineering staff have over 75 years of experience on a range of defence and civilian projects and offer a comprehensive range of services targeted at the aeronautical industry.

Core Competencies:

- Creation and Development of Supplemental Type Certificate (STC) Work Packages
- Aeronautical and Mechanical System Design and Integration
- Knowledge of Aeronautical Design Standards and Regulation
- Computer Aided Engineering Domain Knowledge

Services Offered:

- Aircraft Supplemental Type Certificate (STC) liaison with CASA.
- Aircraft STC minor variation approvals per CASR 21.120B.
- Aircraft modification/repair design approvals per CASR 21.M. Specialising in Structures, Avionics (E,I,R), Flight Analyst and Mechanical Systems. Covering small and transport category aircraft (Parts 23, 25) and rotorcraft (Parts 27, 29).
- Weight and balance approvals per CAO 100.7 (reweighs, trim sheets, and loading systems).
- Engineering design reviews and assessments.
- Computer Aided Engineering (2D/3D drafting, finite element analysis, computational fluid dynamics, and crack growth analysis).
- Aircraft Systems Integration (aeromedical, aerial survey, scientific research, search and rescue and emergency services).
- Fatigue and Damage Tolerance Assessments (fracture mechanics and crack growth for damage tolerant repairs).
- Engineering Project Management.
- Crashworthiness Assessments.



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