

Core Capability

Complex aeronautical product development specialists, providing end-to-end capability from R&D through manufacture to in-service support in the Defence & Aerospace and aviation (general and commercial) sectors. Focus on VTOL unmanned aerial systems.

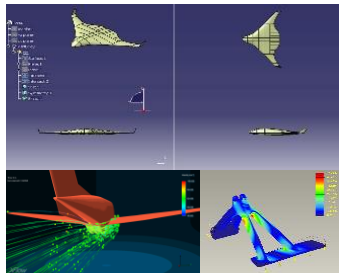
Capability Description

Engineering expertise in:

- Concept and detail design,
- Structural and CFD analysis,
- Rapid prototyping and manufacture,
- Flight test, in-service support and regulatory certification (CASA and FAA).

Manufacture expertise; includes:

- Machining and routing of metallic parts,
- Layup of advanced composite parts including pre-preg filament winding,
- Cable & harness assembly, PCB manufacture,
- Final assembly and product bench testing.



Competitive Discriminators

Innovaero has proven ability to provide full spectrum turn key services for aeronautical products; from design concept through to manufacture and certification. We are also the OEM for our own Defence and commercial industry products. We focus on medium and large autonomous VTOL unmanned aerial systems and high resolution camera arrays for wide area aerial survey.

Key Customers

- INSITU
- BAE Systems
- Air Force
- Australian Border Force
- Australian Army
- Cobham
- Network Aviation/Qantas
- WAPOL
- Nearmap
- Eagleview

Key Partners

- Momentum Aeronautics LLC,
- Thomson Design,
- Cognetic Pty Ltd,
- Boab Technical Services Pty Ltd,
- Applidyne Pty Ltd,

Awards



- 2023 Avalon Innovation Finalist
- 2021 AAUS Finalist Innovation
- 2021 Minister's Award for Excellence in Defence Industry
- 2019 Avalon National Civil Innovation Award
- 2019 Avalon Innovation Award for Aeronautics and Counter Drone Technology
- 2018 Engineering Excellence Award

CASA Approvals

CASR 21G, 21K, 21M, CAR30, CASR 21.120B, 21J, 145 (component overhaul).

Quality Certification

AS9100D Aerospace & Defence certified

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