Dalhousie Aerospace Design Team

Atlantic Canada’s First Student Aerospace Team

2026 - 2027

Sponsorship Package

Dalhousie Aerospace Team

INTRODUCTION

Link to our website

Team picture, taken January 16, 2026

Who are we?

The Dalhousie Aerospace Design Team was founded in August 2025 by engineering students at Dalhousie University who recognized a critical gap in Atlantic Canada: lack of dedicated aerospace engineering programs in the region. Our mission is to provide students with hands-on aerospace experience by designing, analyzing, and building payload-capable aircraft, working across Aerodynamics (CFD), Propulsion, Avionics (Flight Electronics), Stability & Control, and Structures (FEA).

Today, we are a 25+ member undergraduate team representing Engineering, Computer Science, and Business. United by a shared ambition, we are building aircraft from the ground up and preparing to compete in national and international aerospace competitions. As aviation and autonomous aerial systems continue to shape transportation, defense, and environmental monitoring, we are confident that aerospace innovation will play a defining role in the future of engineering in Atlantic Canada. The challenges are complex and the standards are high, and that is why we pursue them.

We invite you to support our mission.

We are building the future of aerospace engineering in our region.

Mithil Jha,
Project Manager

Dalhousie Aerospace Team

MISSION

Link to our website

Objectives

In alignment with the founding principles of this team, our objectives are:

1. To build payload-capable aircraft for the SAE Aero Design Competition in Fort Worth, Texas
2. To enable Dalhousie students to take ownership of aircraft design, manufacturing, and flight testing
3. To inspire and develop aerospace engineering talent coming out of Atlantic Canada through competitions, workshops, and industry partnerships

SAE Aero Design East

Link to SAE Aero Design

What?

SAE Aero Design is an international collegiate engineering competition where student teams design, build, and test remote-controlled or autonomous aircraft to meet specific mission requirements. The competition evaluates teams through technical reports, presentations, and flight performance across Micro, Regular, and Advanced classes, emphasizing real-world aerospace engineering and systems integration.

SAE Aero Design -International Competition Field

Why?

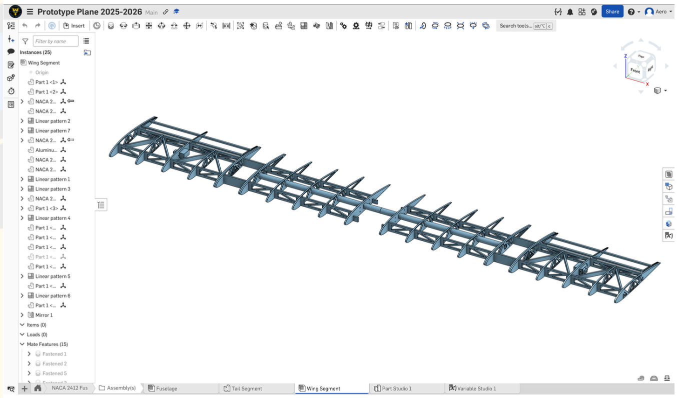
We compete to transform classroom theory into real aerospace systems. SAE Aero Design challenges teams to conceive, analyze, fabricate, and successfully fly aircraft under strict performance constraints — demanding rigorous engineering, teamwork, and technical ownership. In a region without dedicated aerospace programs, this platform enables Atlantic Canadian students to gain meaningful, hands-on experience in aerodynamics, propulsion, avionics, structures, and flight systems integration.

Where? When?

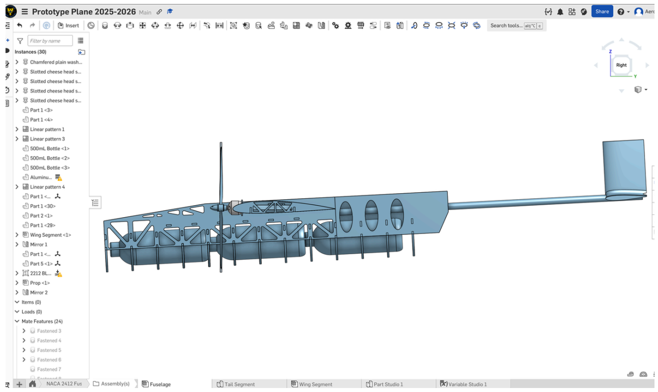
Our aircraft will compete at SAE Aero Design West in Fort Worth, Texas in May 2027.

PROGRESS
(Prototype Aircraft)

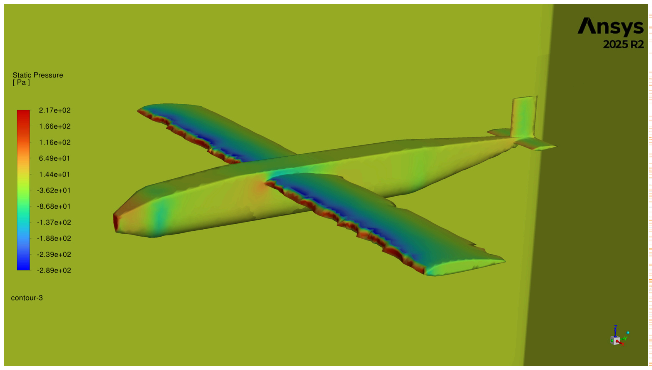
[Link to our website]



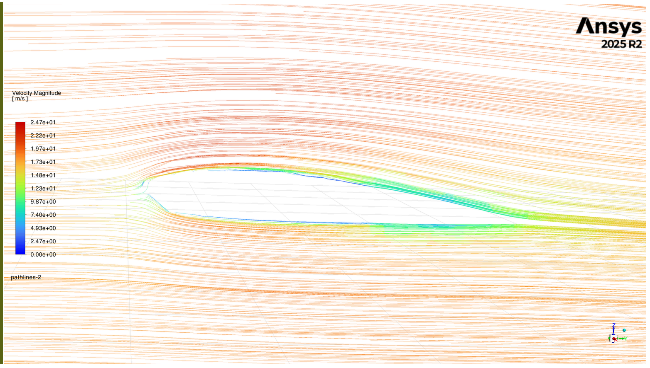
Wing Structural CAD Model



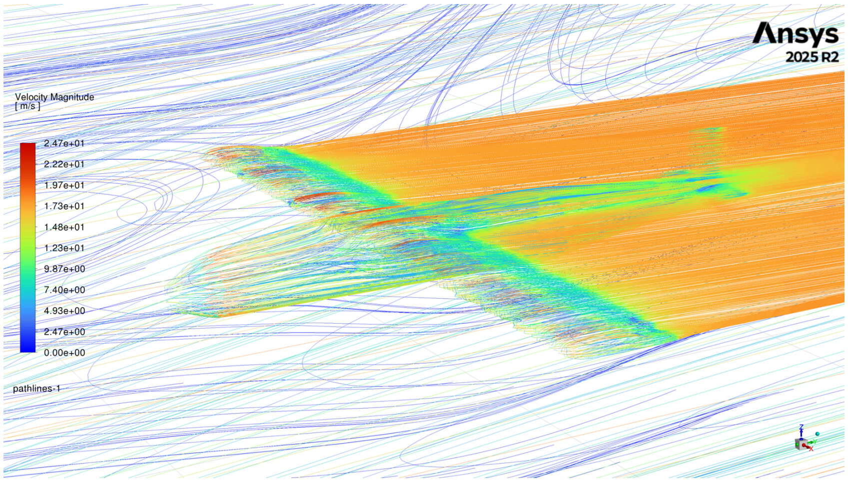
Fuselage Internal Frame Assembly



CFD Pressure Contours - Full Aircraft



Airfoil Velocity Profile Simulation

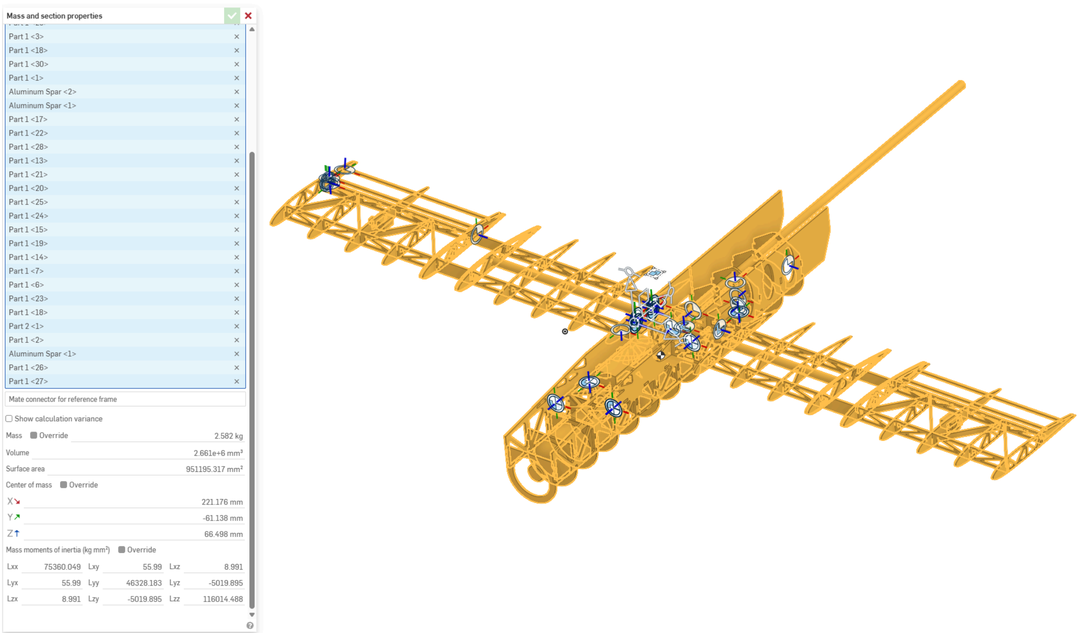


Flow Streamlines - Aircraft Configuration

Dalhousie Aerospace Team

THE OPPORTUNITY

Link to our website



Mass and structural analysis with Onshape

- **Support budding student talent in all fields of engineering** We are run by students who work tirelessly to gain valuable industry experience. Your support will help the students usefully apply their curiousity, work ethic, and optimism.

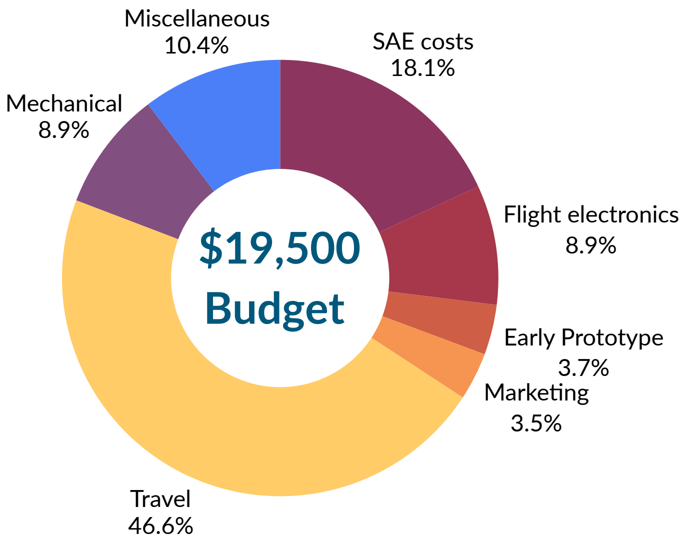
- **Gain valuable brand exposure** We participate in multiple university-wide events (job fairs, golf tournaments, dinner galas, society expos). All Dalhousie Aerospace merchandise worn and distributed at these events will feature your brand.

- **Build a co-op pipeline and hire talent directly** Our team members are some of the brightest, most proactive students on campus. It will be our pleasure to help you hire them and create deep connections between the team and your company.

- **Associate yourself with the current & future success of a Dalhousie University student team** As a sponsor, you will become an integral part of the team and become a key stakeholder in the current and future successes of the team.

BUDGET & PACKAGE

Link to our website



Breakdown of our 2026-27 Budget

Our estimated $19,500 project budget supports both aircraft development and international competition logistics. While travel represents a significant portion of costs, the remaining funding directly enables materials, avionics, prototyping, and flight testing.

Through sponsor support, we are able to transform engineering theory into a fully functional, payload-capable aircraft. Every contribution directly advances hands-on learning, technical innovation, and Dalhousie's presence on the international aerospace stage.

Sponsorship Package for Dalhousie Aerospace Team

	Sponsorship Tiers		
Exposure	Platinum $3000+	First Class $2000+	Business $1000+
Plane available for company events	✓		
Company merch distributed at Dalhousie events	✓	✓	
Logo on team banner and plane	✓	✓	✓
Logo on team apparel and social media	✓	✓	✓
Logo on team website	✓	✓	✓

Dalhousie Aerospace Team

THANK YOU!

We understand that sponsoring a design team may not be an easy decision. As we build our vehicles and count the days until we proudly showcase our designs in Texas, in many ways our fate (design decisions, travel plans, prototype costs, etc.) is tied to your dollar contributions. Our success depends on companies like yours that recognize the two greatest qualities of our young engineers - optimism and resilience. When these attributes are on full display by a Dalhousie team at an international level, this is your chance to be associated with us. Our engineering, finance, and marketing teams will work tirelessly to lead our partnership to mutual benefit.

Thank you for taking the time to review our sponsorship package and learn about the Dalhousie Aerospace Team. We look forward to partnering with you and building great vehicles. **The skies await!**

Contact information and social media below:

Link to our website

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