UBC AERODESIGN

Engineering Student Design Team

SPONSORSHIP BOOKLET

PAGE

TITLE

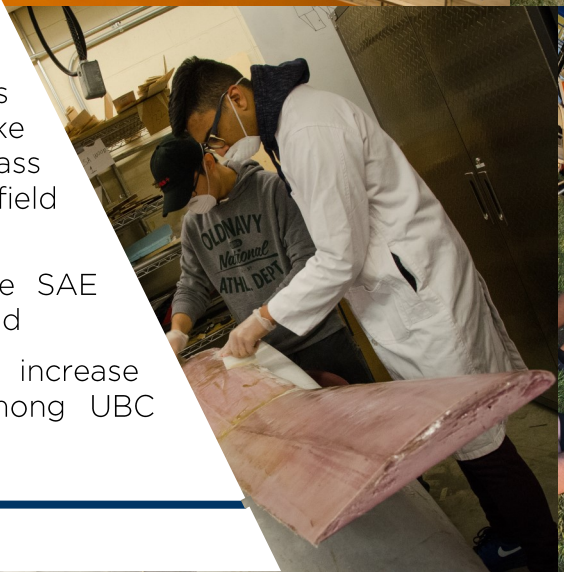
WHO WE **ARE**

The UBC AeroDesign team is a student-run engineering team that designs, builds, and flies payload-lifting, remote-controlled fixed-wing aircrafts. Every year, the team competes at the international SAE Aero Design series against universities from around the world to take on real-world aviation challenges.

OUR **MISSION**

UBC AeroDesign has three overarching objectives:

1. To provide a second classroom for UBC students to experience what it is like to work on a world-class engineering project in the field of aviation.
2. To place in Top 3 at the SAE AeroDesign competition, and
3. To promote interest and increase knowledge in aviation among UBC students and across BC.



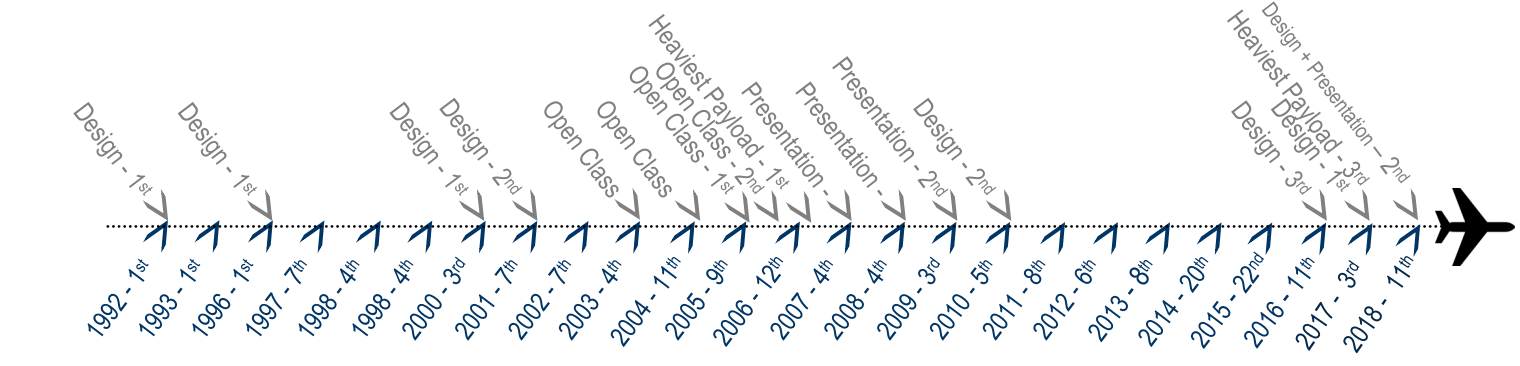
SAE AERO DESIGN®

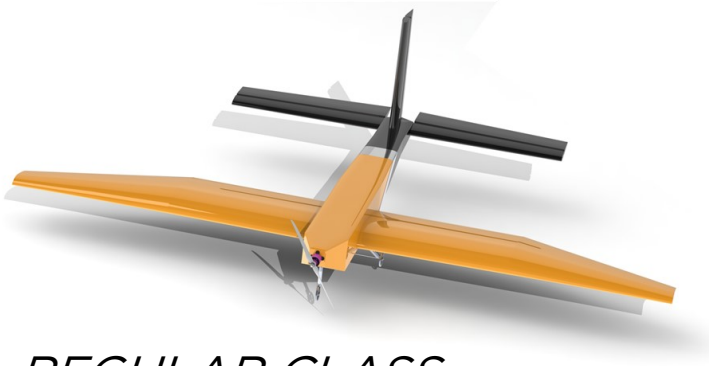
ABOUT **SAE**

Every year, the Society of Automotive Engineers (SAE) organizes the SAE Aero Design Collegiate series — two weekends of competitions with 3 flight classes and over 150 participating universities from all around the world. The events are sponsored mainly by Lockheed Martin, and the West competition this year will take place in Van Nuys, California on April 5th—7th, 2019.

OUR **JOURNEY**

Since 1992 (making us one of the oldest UBC teams), the team has been upholding the tradition of competing at the SAE AeroDesign competitions every year. The team has consistently placed in the top 10 despite being one of the few participating universities without an aerospace program.

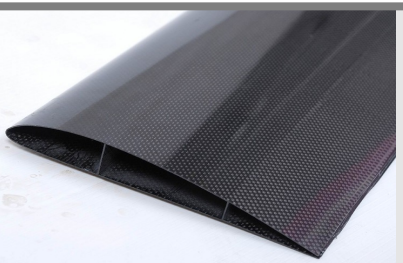


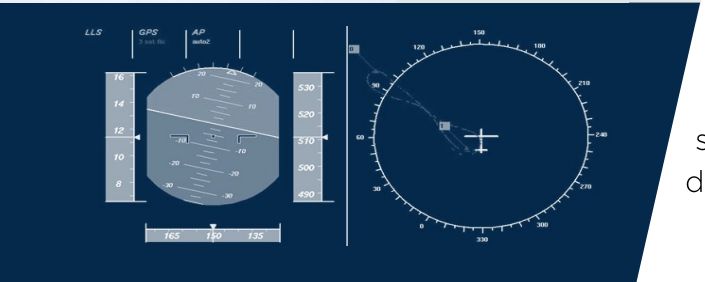


REGULAR CLASS

OUR **CHALLENGE**

The Regular Class design objective is to carry the most passengers and luggage (represented by tennis balls and steel plates, respectively) while restricted by a 12ft wingspan and 1000W of power to the motor. Last year, our aircraft carried 30lbs of payload — a MGTOW of 48lbs!



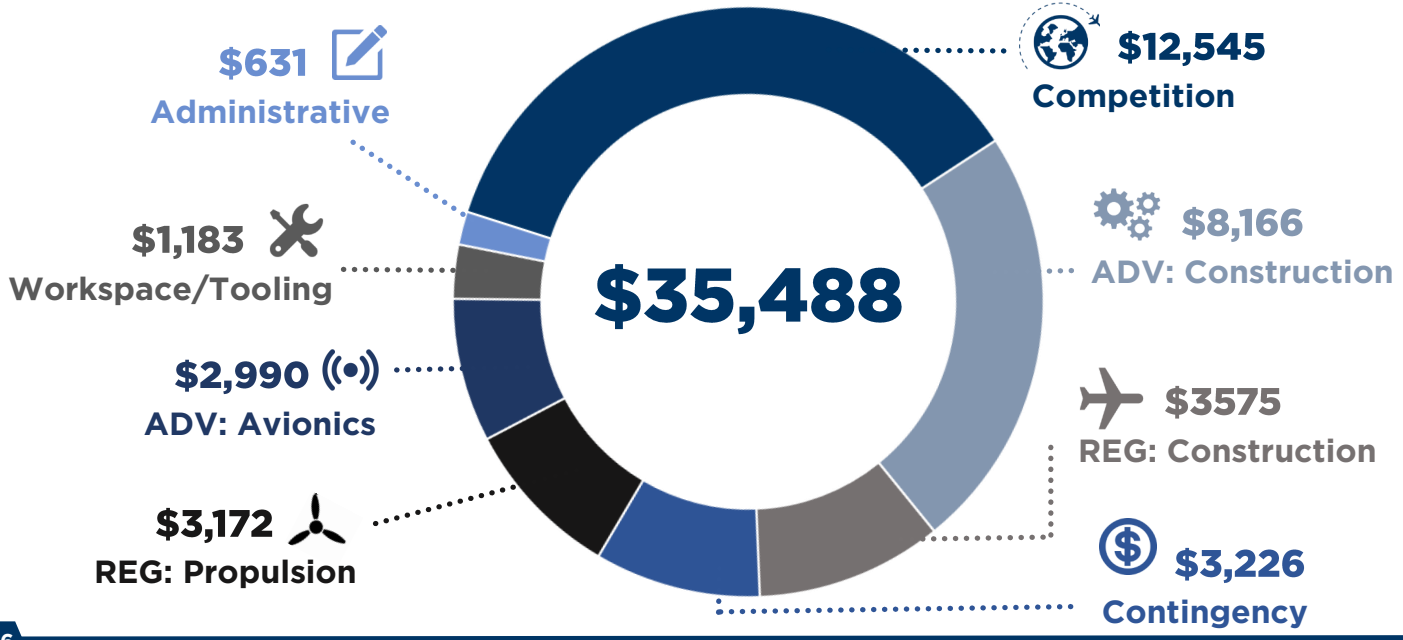


ADVANCED CLASS

This is our team's first year since 2006 to compete in the Advanced Class category, which has since revamped its rules and involves designing an autonomous aircraft capable of delivering "Mars Colonists" safely to the ground via a drop ship and accurately dropping supplies onto a target. The team will be experimenting with several new fields and technologies such as composites manufacturing, payload drop prediction, and autonomous flight/stability.

OUR **BUDGET**

With our return to the Advanced Class this year, our budget sees a significant increase from our last year's budget, which only consisted of expenses for Regular Class. A total expenditure of $35,488 is expected this year to cover not only the additional Advanced Class construction material costs (carbon-fibre, vacuum pump, etc.), but to also support the operations of the 60-member team this year (nearly twice as many members as last year). *A more detailed budget can be provided upon request.



BECOMING A **SPONSOR**

As a sponsor of our team, you will be building strong connections with young engineers on the pursuit of learning professional skills that will enhance their careers. This relationship opens doors for mentorship opportunities and shapes students into well-rounded engineers your firm could potentially hire one day.

Your generous support will also allow students to be much more experimental in design with fewer resource constraints. This will give students a much larger design space to truly be innovative and work with resources that are more similar to those found in the aviation industry.

SPONSOR **BENEFITS**

CONTRIBUTION AMOUNT	$0 - $749	$750 - $1499	$1500 - $2249	$2250 -$3000
SPONSORSHIP LEVEL	**BRONZE**	**SILVER**	**GOLD**	**DIAMOND**
COMPANY FEATURED ON:				
Team Website	◊	◊	◊	◊
Social Networking Sites	◊	◊	◊	◊
Competition T-shirt		◊	◊	◊
Competition Plane			◊	◊
Competition Booth				◊

As a student-run non-profit team, our ability to excel in international competitions and provide UBC students with exceptional learning experiences comes from the support of our corporate sponsors and local donors. Any form of support is greatly appreciated, whether it is monetary, gift-in-kind, or a discount on your products; in return we will feature your company on a variety of our team's brand and marketing platforms as indicated above.

*Non-monetary contributions will be converted into a financial value and matched with the equivalent sponsorship level. Business Acknowledgements are issued upon request.

LAST YEAR'S **SPONSORS**

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