



UBC AERODESIGN

SPONSORSHIP PROPOSAL 2016 - 2017

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 UBC AeroDesign



WHO WE ARE

UBC AeroDesign is a student design team that designs, builds, and flies payload lifting, radio-controlled airplanes from the University of British Columbia. Propelled by determined minds, our primary goal is to provide a learning environment for students to experiment and experience working on a world class engineering challenge in the field of aviation. We have tackled the CASI Free Flight competition in the past and aim to find success in the world renowned SAE Aero Design Series since our beginnings in 1992.





Last year, a 32 member team executed the design and the build of a plane ready to compete in SAE Aero Design West, held in Van Nuys, California. The mission: *to lift as much payload as possible in a 10"x4"x4" compartment, while consuming only 1000 Watts of power and taking off within 200 feet.* Our high wing monoplane with a tail boom rod and a rear loaded payload bay brought home a third place design award and fell only four points short of a top ten finish. We came in 11th place overall.

The lessons learned during design to flight resonate with every returning member on the team. We are adding more passionate new students to our team and working together to reach the 2017 SAE Aero Design East competition to compete against teams from all over the world. Our goals cannot be met without support from advisors, industry mentors, and sponsors.



SAE Aero Design East
Lakeland, Florida
April 21 - 23, 2017



ABOUT SAE AERO DESIGN



EVENTS

POINTS

STATIC

Design Report

40

Payload Prediction

10

Oral Presentation

45

Timed Payload Loading/Unloading Demo

5

Technical Inspection

P/F

DYNAMIC

Flight Rounds

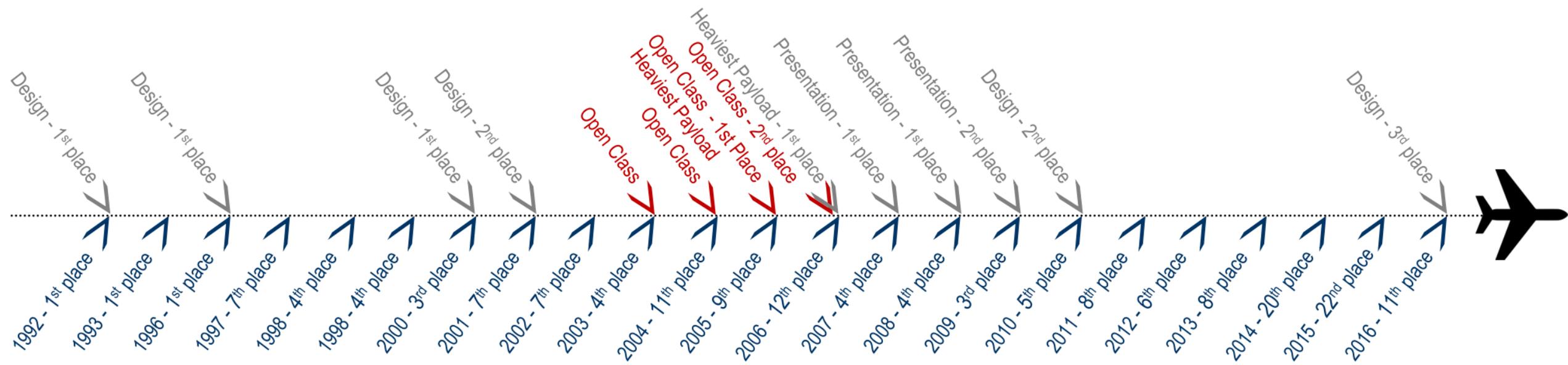
Unlimited

SAE Aero Design is a collegiate design series organized by the Society of Automotive Engineers. SAE Aero Design features three classes of competitions: Micro, Regular, and Advanced. Each class features unique rules and design parameters, but the essence of the mission is to design and build a plane with the purpose of lifting the heaviest payload.

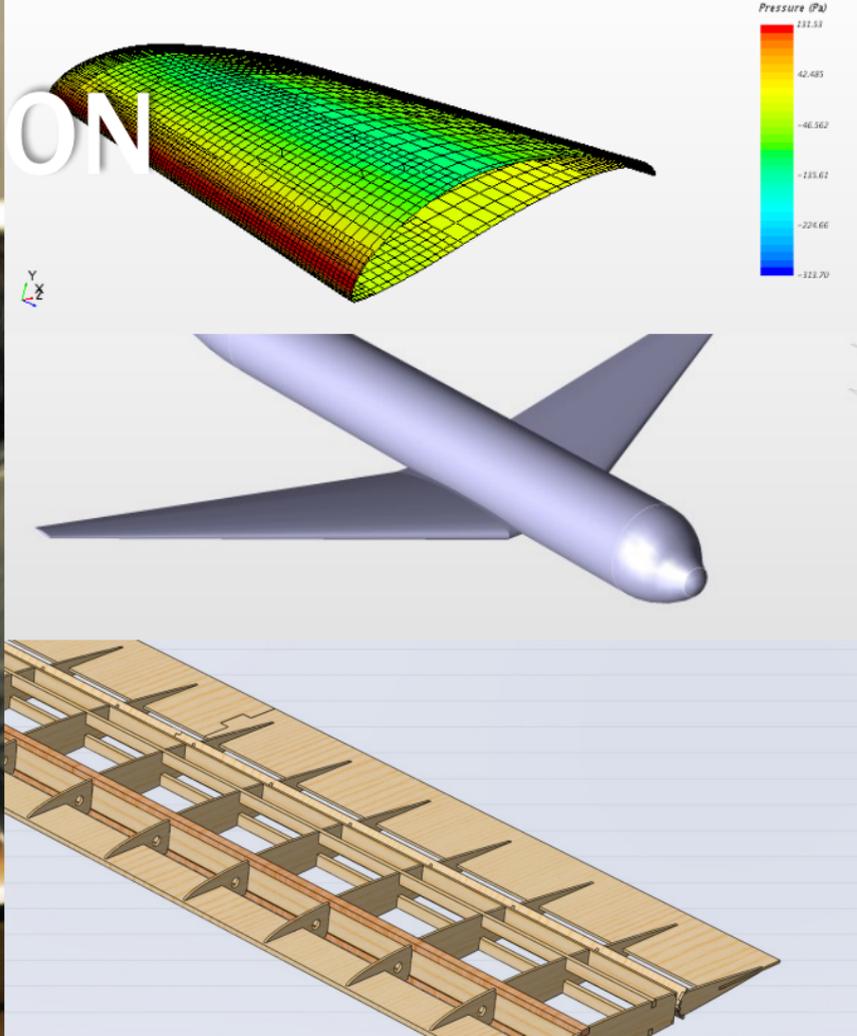
There are two competitions held annually on the East and West Coast of the United States. Each competition sees nearly 75 international student teams, all attending to present their creation, justify their design, and fly their planes.



OUR PAST



2017 MISSION



next generation passenger liner...

The skies today are populated with the world's most advanced civil aircraft. Passenger carrying capability and fuel efficiency are two pillars that shape how airplane manufacturers design these vehicles and determine how much revenue airliners make.

Our Regular Class mission shadows this pursuit. We are designing a plane that can carry as many passengers as possible and luggage (represented by tennis balls and weight plates respectively), while ensuring that the power consumed does not exceed 1000 Watts. The team with the most revenue and points will place in the top.

GET INVOLVED



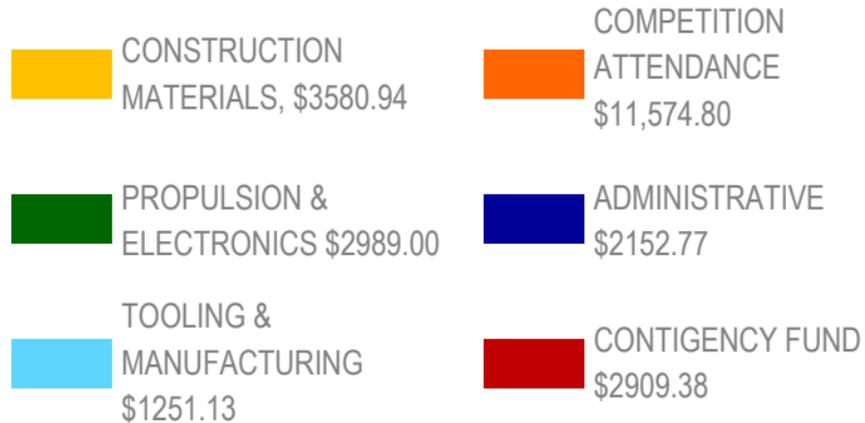
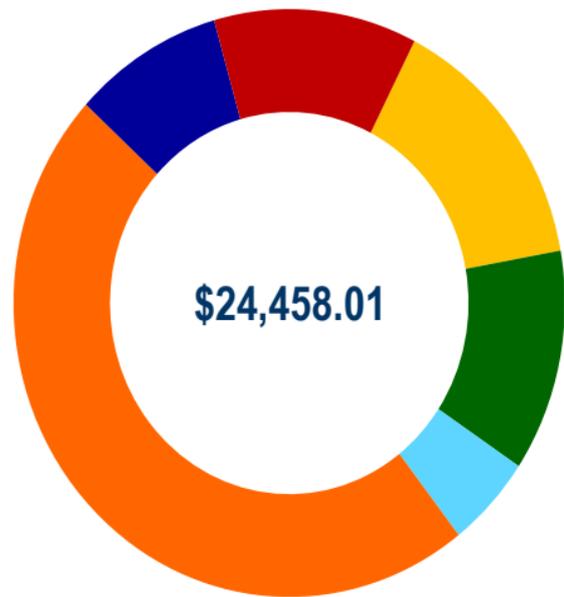
An important factor in our ability to excel in competitions, as well as to provide students with exceptional learning experiences, is the support from corporate sponsors and local donors. Both monetary and non-monetary sponsorships not only help us construct our model airplane, they also help send many team members to the competition. Competition experience allows our team to be more passionate and proud of what we do. It further provides us with the opportunity to learn valuable lessons that will help the team in future years.

shape tomorrow's engineers...

As a sponsor of our team, you will be building a strong connection with young engineers on the pursuit of developing more innovative designs and learning professional skills that will enhance their career. This relationship opens the door for mentorship opportunities and shapes students into well-rounded engineers you could hire one day.



In order to meet the mission set out by SAE, we intend to build a narrow-body type aircraft capable of carrying 51 passengers, each with a half pound luggage. This is the target we have set after close analysis of the scoring criterion. Our RC plane will be about two times larger than the years before, which inherently drives up our project costs for materials, propulsion system, and shipping.



2017 BUDGET





SPONSOR BENEFITS

Company Logo Featured On:	BRONZE \$0 - \$999	SILVER \$1000 - \$1999	GOLD \$2000 - \$2999	DIAMOND \$3000 - \$3999
Team Website	◇	◇	◇	◇
Team Workspace	◇	◇	◇	◇
Social Networking Sites	◇	◇	◇	◇
Pamphlets & Posters	◇	◇	◇	◇
Competition T-shirt		◇	◇	◇
Competition Plane			◇	◇
Competition Booth				◇

- LEAD SPONSOR** ◇ Spend an afternoon with us test flying our competition aircraft
 \$4000 and Up ◇ Name and pick the colour for our competition aircraft
 ◇ Choose logo placement on aircraft with largest logo size

Any form of support is greatly valued by our team and can include:

- Financial support
- Construction material, electronic supplies
- Computer software
- Travel accommodation
- Team attire

If your contribution is a gift-in-kind sponsorship, we will match the financial value of your donation to the equivalent sponsorship plan. We will also issue tax receipts in lieu of sponsorship benefits upon request.

The UBC AeroDesign team would like to thank both our current and prospective sponsors for taking the time to read this proposal. We are looking forward to representing our proud team and sponsors at the 2017 SAE Aero Design East Competition.

If you would like further information about our team, or would like to contribute to our team, please contact our Team Captain.

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Sincerely,

UBC AERODESIGN



THANK YOU





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