

BLACKBIRD

**Carleton University
UAV Design Team**

Sponsorship Package 2025-2026

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ABOUT US

Blackbird UAV is Carleton University's unmanned aerial vehicle design team! We are a student-run group that designs, builds, and flies drones with the goal of competing in The Aerial Evolution Association of Canada Student Competition (AEAC SC) every year, while also showcasing our UAV technology at expos and industry events.

Our team of over 100 members brings together students from various engineering disciplines and other fields, all united by a passion for aviation and innovation. Blackbird UAV gives students the chance to apply their classroom knowledge to real-world engineering challenges through hands-on drone design, testing, and flight.

Founded in 2009, Blackbird UAV has grown into one of Carleton University's most dynamic design teams, developing a fleet of drones that push the boundaries of aerial performance. Our UAVs have been featured at technology expos, public demonstrations, engineering showcases, and national competitions, proudly representing Carleton University wherever they fly.

Over the past 5 years, we have achieved 3 top 3 finishes at the AEAC student competition, a testament to the dedication, skill, and creativity of our team. We continue to push the boundaries of UAV design with modular payloads, FPV piloting, and innovative airframes, building on our success while preparing the next generation of aerospace and robotics innovators.

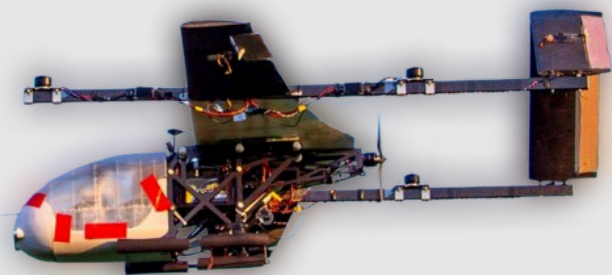




VEHICLES

GOLIATH

Goliath is a quadcopter UAV with a fully modular payload system. It also features First Person View (FPV) cameras, providing pilots with enhanced precision and control.



APOGEE

Apogee is a quadcopter showcasing our team's custom airframe design and integrated software systems. It features full autonomous flight capabilities, handling every phase from takeoff to landing.

ZENITH

Zenith is built for endurance, featuring advanced navigation systems and superior flight stability, making it ideal for long-range missions. In 2023, it became the first BBUAV drone to incorporate LTE connectivity and VTOL transition capabilities.





2024-2025



TEAM

Our team members come from a wide range of disciplines, united by a shared passion for engineering and technology.

Our sub-teams, Mechanical, Electrical, Software, Operations, and Administration, work closely together to ensure each project's success. We work in a collaborative environment rooted in teamwork, mentorship, and respect, giving students the opportunity to grow their technical abilities while building valuable leadership skills.

Team members contribute a wide range of expertise, including CAD, manufacturing, electronics, programming, systems integration, and project management, while gaining hands-on experience solving engineering challenges. Through Blackbird UAV, students grow as future leaders in aerospace and technology.

ACHIEVEMENTS

AEAC SC

1st place 2020

1st place 2023

Innovation 2024

3rd place 2025

First ever BVLOS signal relay drone

First ever VTOL transition

First ever fully LTE communications





OUTREACH

GCXpo

GCXpo is Canada's premier next-generation technology showcase. Co-hosted by Area X.O and the Government of Canada, the event features over 70 Canadian companies demonstrating cutting-edge technologies. The event provides a unique platform for invited guests, industry delegations, and media to engage with innovations preparing for global markets. Through live demos and guided tours, our team has the opportunity to showcase our UAV technologies to a wide, influential audience.



FED Fair

The Faculty of Engineering & Design (FED) Fair is held annually for Carleton University students and faculty. This event provides attendees with the opportunity to explore all clubs and societies within the faculty, alongside Expo Carleton, helping us connect with future engineering talent.

AEAC SC

The Aerial Evolution Association of Canada Student Competition (AEAC SC) is a national event that challenges university students to design, build, and operate UAVs for real-world applications. The competition draws attention from academia, industry professionals, and government organizations, making it one of the most recognized student showcases in Canada's UAV sector.

SPONSOR US

Sponsoring Blackbird UAV gives students the chance to apply their engineering knowledge to real-world challenges, from design and manufacturing to autonomous systems integration. Access to advanced components and materials, made possible through sponsorship, allows our team to innovate, learn, and grow while preparing the next generation of engineers and professionals. Your support keeps us at the cutting edge of UAV technology and fuels hands-on student development.

If you or your company are interested in sponsoring Blackbird UAV, please reach out to sponsor@blackbirduav.ca to start the sponsorship process and learn about next steps.

BENEFITS

	BRONZE \$100+	SILVER \$500+	GOLD \$1000+	PARTNER \$2500+
Professional Recognition	●	●	●	●
Monthly Newsletters	●	●	●	●
Advertised on Team Website	●	●	●	●
Brand Placement on Aircraft		●	●	●
Brand Placement on Team Apparel		Small	Medium	Large
Brand Placement on Public Displays			●	●
Promotional Material Distribution				●

*All values in \$CA. Amount calculated as value donated or saved. Example: Donating \$100 components = \$100 donation. Offering 20% off \$100 = \$20 donation. Donation amounts are reset each year on May 31st.

Thank you to last years sponsors!

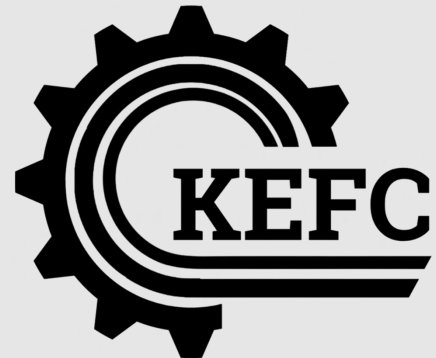


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