BLACKBIRD

Carleton University UAV Team

Sponsorship Package

2024-2025

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About BBUAV

We are **Blackbird UAV** (BBUAV), a group of Carleton University students working to create unmanned aerial vehicles (UAVs) to compete at the Aerial Evolution Association of Canada Student Competition (AEAC SC)

BBUAV was established in 2009 as an extra-curricular program for this competition. We evolved to offer experiences for students from varied studies and backgrounds in real-world design projects, project management, and teamwork.

Current Vehicles

Apogee

Wingspan: 2.5 m

MTOW: 15 kg

Max speed: 156 km/h (84.2 kt)

Payload Compartment: Modular

Communication: Fully LTE

Bespoke Platform

Zenith

Wingspan: 2.0 m

MTOW: 11 kg

Max speed: 120 km/h (64.8 kt)

Payload Compartment: Fixed

Communication: Fully LTE

Modified Kit Platform

AEAC SC Achievements

- Innovation 2019
- First Place 2020
- First Place 2023
- Innovation 2024
- First ever BVLOS signal relay drone
- First ever fully LTE comms
- First ever VTOL transition
- Most successful VTOL designs to date

Our Offer

Blackbird UAV is seeking financial, material, or in-kind support to help us continue to innovate and compete. Your generosity will allow us to access resources we couldn't otherwise afford, propelling our success. In return, we pledge to promote your brand and offer you unique opportunities to connect with our talented team of Carleton University students.

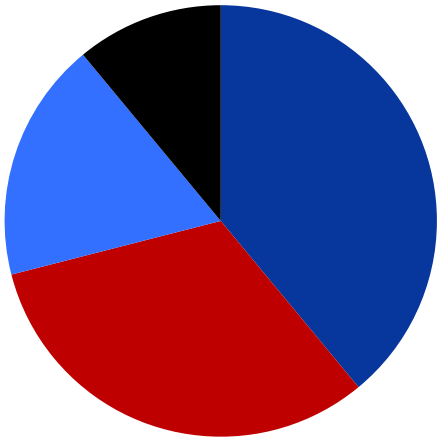
Team

BBUAV is a dynamic and diverse student-led team dedicated to pushing the boundaries of engineering and innovation. Comprised of students from a wide range of engineering disciplines and other fields, our team is united by a shared passion for design, manufacturing, and technological advancement.

Our subteams—Administration, Manufacturing, Systems, Design, and Operations—work seamlessly to ensure project success. We foster a collaborative environment with strong teamwork and mutual respect. Our team members bring diverse technical skills, including CAD modeling, manufacturing, electronics, programming, and project management.

Sponsor Us

Blackbird UAV's autonomous vehicles are made possible by the availability of advanced components. High-quality materials and reliable parts are necessary for the operations and longevity of our vehicles. To succeed in a competitive environment, Blackbird UAV aims to leverage cutting-edge technology and strategic partnerships.



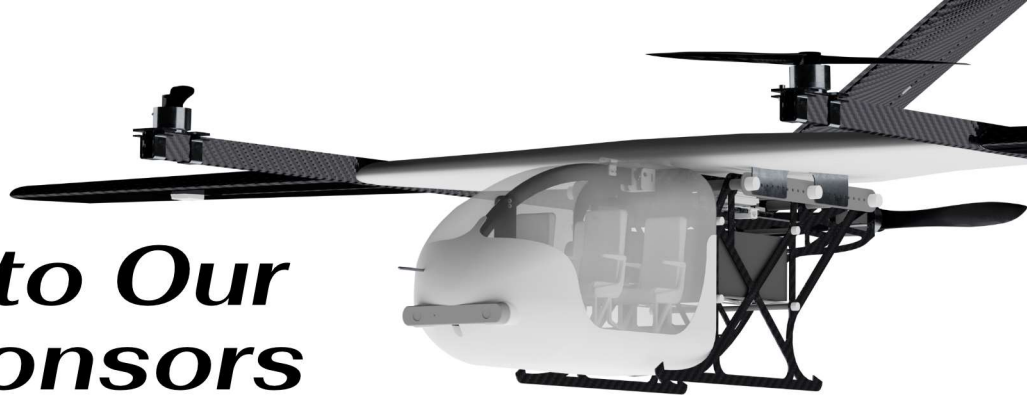
Sponsorships are the only realistic way for us to work alongside the leading edge.

We Need Your Help to Succeed

Sponsorship Benefits

	Bronze $100+	Silver $500+	Gold $1000+	Partner $2500+
Professional Recognition	✓	✓	✓	✓
Progress Updates	✓	✓	✓	✓
Link on team website	✓	✓	✓	✓
Logo on aircraft		Small	Medium	Large
Logo on team apparel		✓	✓	✓
Logo on public displays			✓	✓
Promotional material distribution			✓	✓
Case Study				✓

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 June 1st.



Thank You to Our Current Sponsors

Carleton University | Faculty of Engineering and Design

CARLETON STUDENT ENGINEERING SOCIETY

Aircraft Spruce & Specialty Co. SINCE 1965

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BLACKBIRD

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Thank You For Your Consideration