



Cornell University Autonomous Drone  
2023-2024 Student Project Team

2023-2024 SPONSORSHIP PACKET

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# ABOUT US

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FOUNDED IN 2017, WE ARE A VIBRANT AND DEDICATED TEAM COMMITTED TO ADVANCING THE FIELD OF AERIAL ROBOTICS. SPECIALIZING IN BOTH CONTROLLED AND AUTONOMOUS DRONES, WE PARTICIPATE IN THE INTERNATIONAL AERIAL ROBOTICS COMPETITION (IARC).

The IARC challenges teams to tackle missions considered 'impossible' when proposed, requiring teams to push the boundaries of what's possible by innovating in all aspects of drone design. Our team is a diverse mix of talents, comprised of over 40 enthusiastic members.

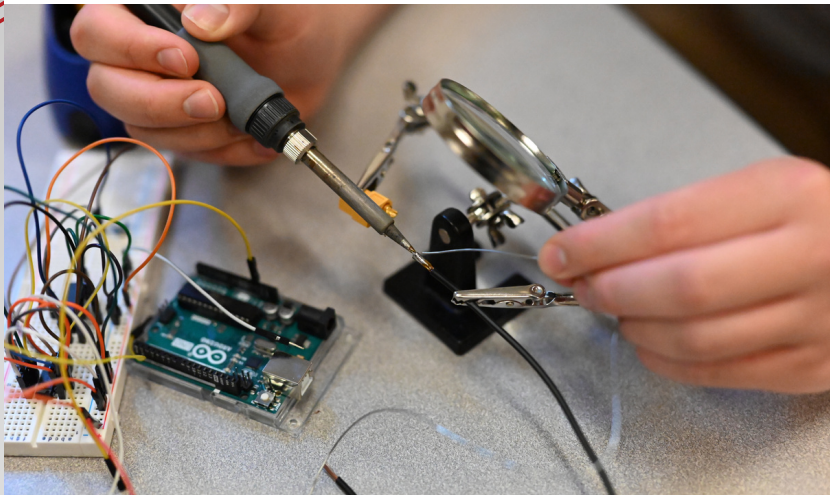
We are divided into Mechanical, Electrical, Computer Science, and Business subteams. Each unit contributes its unique expertise, making us not just a team of skilled engineers and strategists, but also a close-knit community of friends who share a common passion for innovation in aerial robotics.

# OUR GOALS

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## WHAT WE DO:

Our goal is to excel in the IARC by designing, building, and flying advanced drones that can complete complex and challenging missions. Through these competitions, we aim to contribute to the evolution of aerial robotics, driving forward the state-of-the-art. Our rigorous schedule includes weekly meetings and work sessions where subteams focus on specialized tasks, and full team gatherings to ensure unity and coherence in our approach. Beyond the technical work, we engage in regular social events, fostering a team spirit and a supportive environment that's crucial for our collective success. As we transition from Mission 9 to the highly anticipated Mission 10 of the IARC, we are committed to innovation, collaboration, and excellence.



# OUR SUBTEAMS

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01

MECHANICAL

The mechanical team is responsible for the structural design and analysis of the drone, as well as any other mechanical subsystems. They also handle all fabrication and assembly for our UAV, working closely with Electrical on electronics integration.

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02

ELECTRICAL

The electrical team is in charge of anything that requires any electronics or low level coding. They deal with power distribution, serial communication, sensors, wiring soldering, computer architecture and radio signals.

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03

COMPUTER  
SCIENCE

The computer science subteam makes the brains of the drone. They construct and implement the algorithms for object avoidance, path planning, communications, mission protocols and give the drone the awareness it needs to take on the challenges.

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04

BUSINESS

The business team is in charge of any business development, marketing, or outreach for the team. The team is also responsible for all the finances, website development, video editing, and potential business transactions.

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# WHY FUND US?

WE INVITE YOU TO JOIN US IN MAKING HISTORY WITH THE CORNELL UNIVERSITY AUTONOMOUS DRONE PROJECT TEAM.

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OUR MISSION IS TO PUSH THE BOUNDARIES OF TECHNOLOGY AND INNOVATION BY DEVELOPING AUTONOMOUS DRONES THAT CAN CHANGE THE WORLD. HERE'S WHY YOUR SUPPORT MATTERS:

## **Innovation That Matters**

We're not just building drones; we're shaping the future of technology. Our autonomous drones have the potential to revolutionize industries. We are engineering the impossible, for the possible of tomorrow. Your support directly fuels this innovation.

## **Tomorrow's Leaders**

By supporting us, you're investing in the next generation of leaders, engineers, and innovators. Your contribution helps us provide invaluable hands-on experience to students, equipping them with skills and knowledge that will drive progress in the tech industry.

## **Real-World Impact**

Our project is not just theoretical; it's hands-on and practical. We're tackling real-world challenges, and your donation will help us address these issues effectively. From enhancing agricultural practices to aiding in emergency response, our drones will make a tangible impact on society.

Your contribution, no matter the size, is a crucial part of our journey. Whether you're a tech enthusiast, an advocate for education, or simply passionate about cutting-edge innovation, we invite you to become part of our community.

Join us in shaping the future. Support the Cornell University Autonomous Drone Project Team today and be a part of the innovation that will define tomorrow. Together, we can achieve great things.



# DONOR LEVELS

## BRONZE DRONE ENTHUSIAST (\$200+)

- Acknowledgement and logo on our website (cuad.info)
- Regular project updates & insights
- Resume Book access

## SILVER SKY INNOVATOR (\$500+)

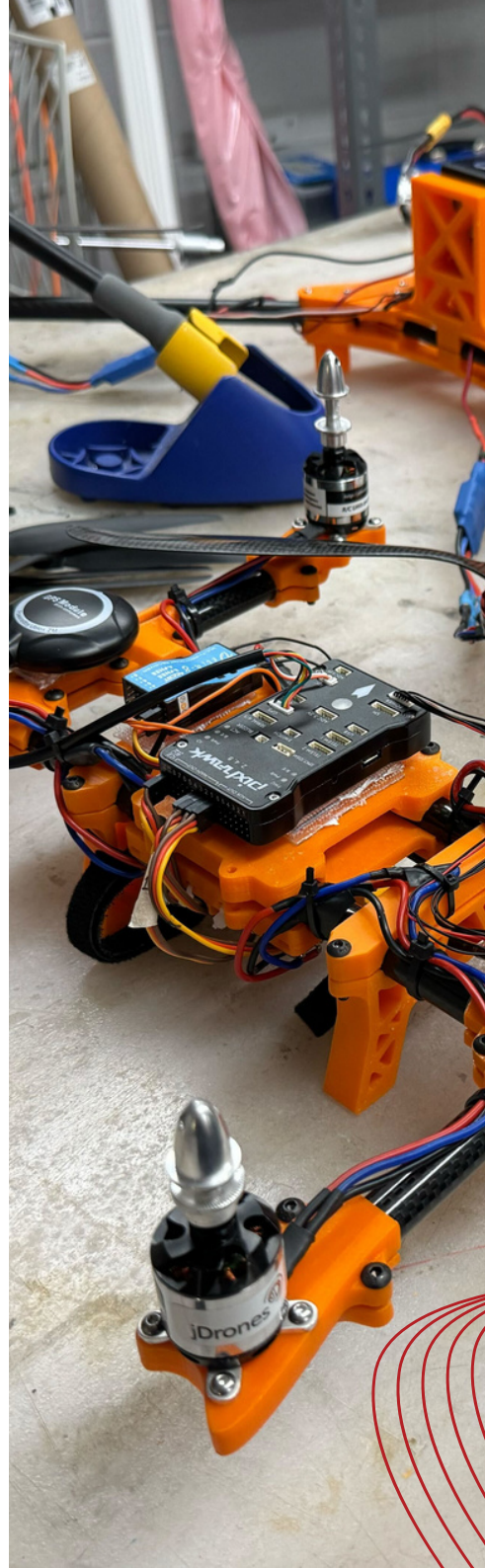
- All benefits from Drone Enthusiast
- Small logo clearly displayed on our project materials & merchandise

## GOLD FLIGHT PIONEER (\$1000+)

- All benefits from Sky Innovator
- Exclusive access to behind-the-scenes content, including early access to project developments.
- Medium logo on project materials & merchandise
- Company logo on the drone itself

## PLATINUM AERIAL ENGINEER (\$2500+)

- All benefits from Flight Pioneer
- Opportunities for direct collaboration with our team, such as joint research projects, workshops, or on-campus information sessions.
- Dedicated promotional social media announcement
- Large logo on project materials & merchandise



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CORNELL UNIVERSITY AUTONOMOUS DRONE

