

## What is Design/Build/Fly?

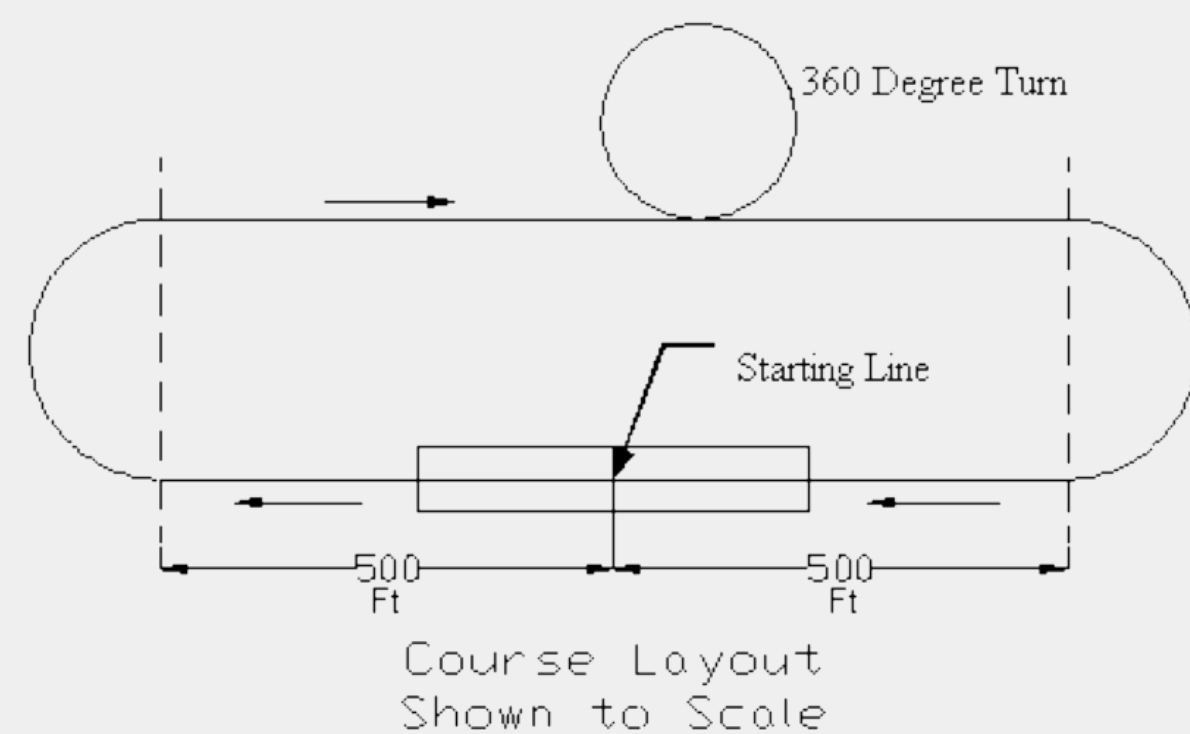
Design/Build/Fly is a senior design project that allows members to apply their analytical skills and showcase their cooperative efforts in building real-world aircraft. Students must design, manufacture, and demonstrate the flight capabilities of an aircraft that can meet the given requirements for a given year.

## Competition Mission Objectives

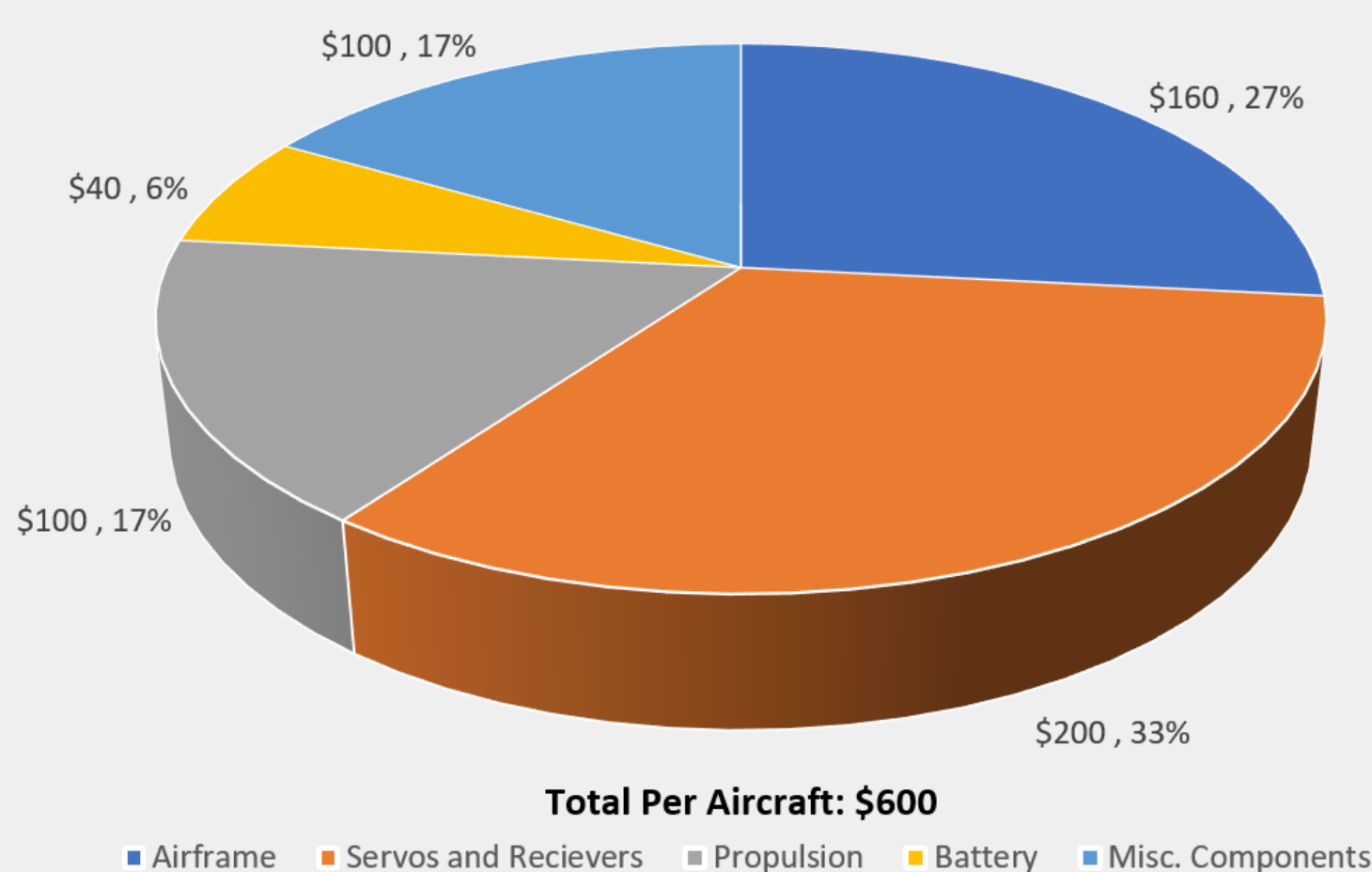
Ground Mission	Mission 1
Teams are scored based on how much the aircraft weight changes between being modified and unmodified.	Carry four pool balls, two internal and two external, must be able to drop two on pilot command.

Mission 2	Mission 3
Carry two pool balls, and two rockets (0.25 lbs each) and fly three laps as fast as possible.	Timed on loading time and flying two laps with an empty two-liter soda bottle.

## Flight Course



## Approximate Aircraft Cost



## Goals and Objectives

- Design an aircraft based on the given rules and constraints
- Develop and apply innovative, practical, and affordable fabrication techniques
- Document and compile design, manufacturing, and testing process into industry-standard written report

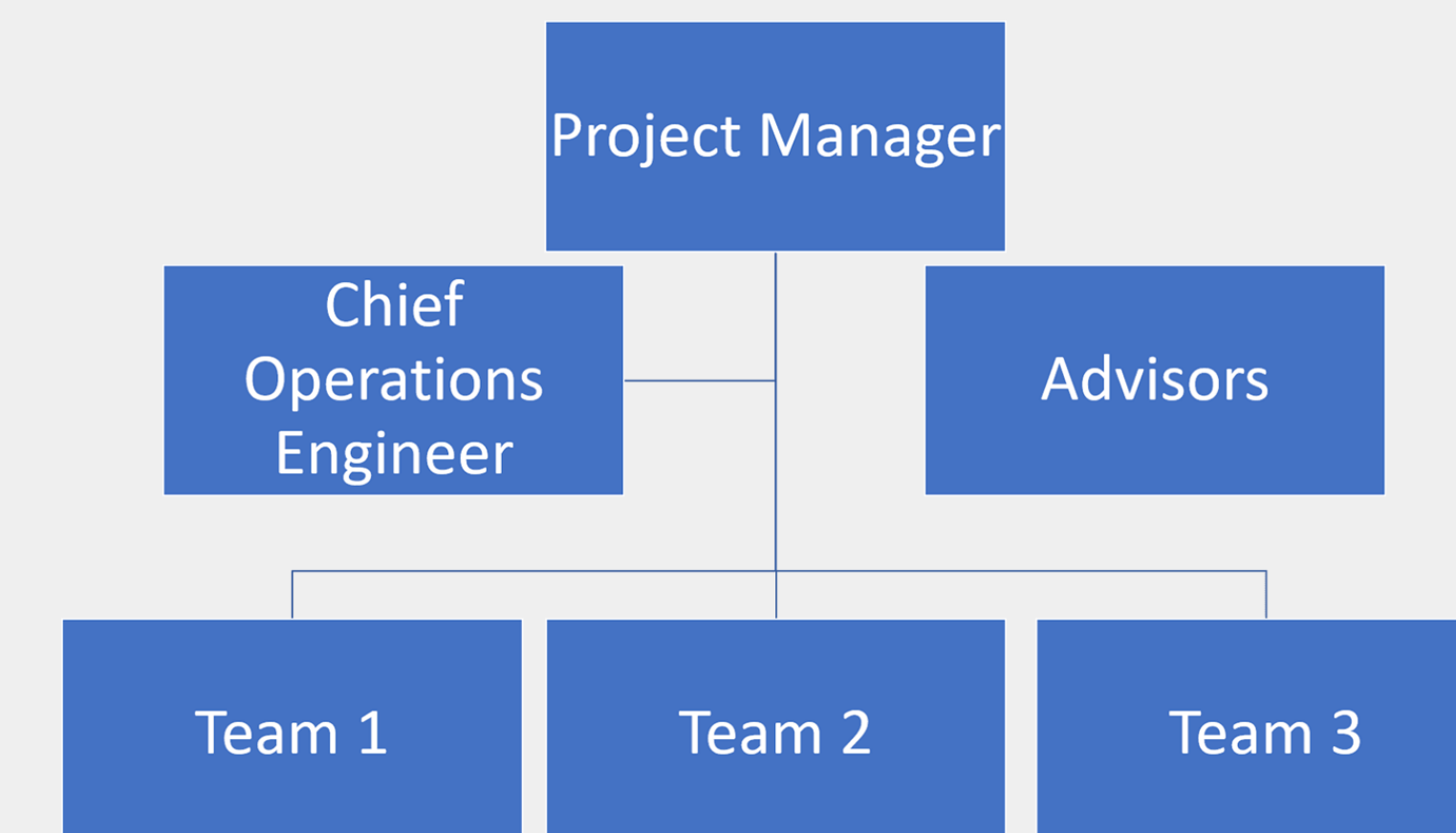


## Requirements and Constraints

- 2 external carried pool balls  
Capable of remote release on pilot command
- 4 internally carried pool balls
- Pool cue split in half
- Conventional takeoff and landing

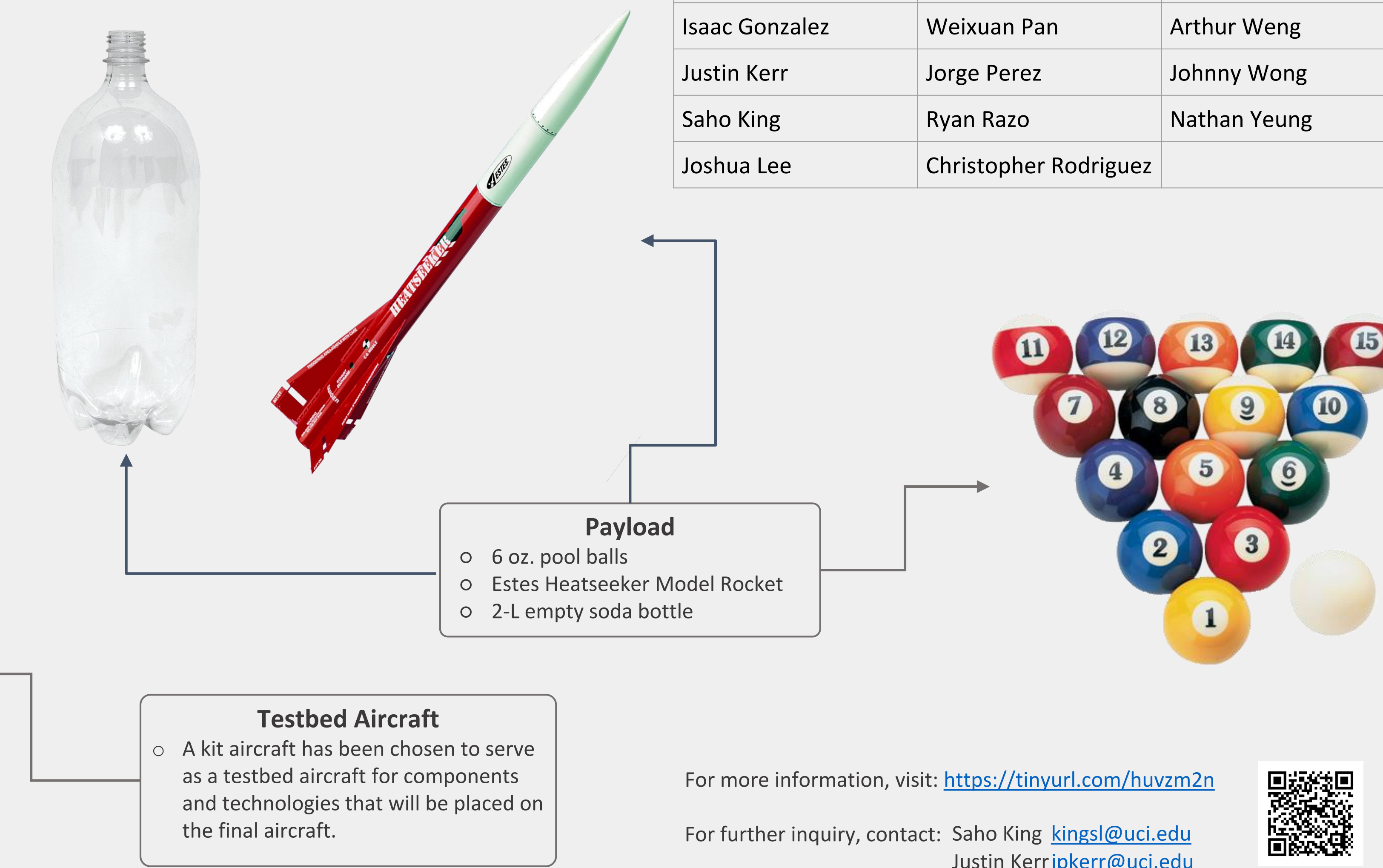


## Team Structure



## Team Members

Edgar Amezcua	Ryan Luu	Kevin Sadeghian
Raphael Antwi	Alejandro Montiel	Marlon Sevilla
Joshua Baldwin	Tina Nguyen	Benjamin Sorensen
Richard Cheng	Oguzhan Ozhan	Karen Torres
Isaac Gonzalez	Weixuan Pan	Arthur Weng
Justin Kerr	Jorge Perez	Johnny Wong
Saho King	Ryan Razo	Nathan Yeung
Joshua Lee	Christopher Rodriguez	



For more information, visit: <https://tinyurl.com/huvzm2n>

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