

# JOIN US.

**WE DESIGN.  
WE BUILD.  
WE RACE.**



**QUEEN'S<sup>TM</sup>**  
**RACING**  
FORMULA SAE TEAM

# WELCOME

Queen's Racing is a student-run engineering team based in Kingston, Ontario founded in 1993; we design and build unique open-wheel race cars to compete at international competitions hosted by the Society of Automotive Engineers (SAE). It is through our time at Queen's Racing where our members gain and hone unique skills that enable us to become leaders in both business and engineering.





Queen's Racing competes in both national and international competitions filled with ambitious students, industry professionals, and racing enthusiasts.

Queen's Racing is synonymous with excellence and success and through these competitions we provide a pathway for team members to become pioneers within the motorsport industry.

# THE COMPETITION

## JUNE

### 2022 Season Races

Toronto  
Gambridge  
Motorsport  
Park

Michigan  
International  
Speedway

## AUGUST

Pittsburgh  
International  
Race Complex





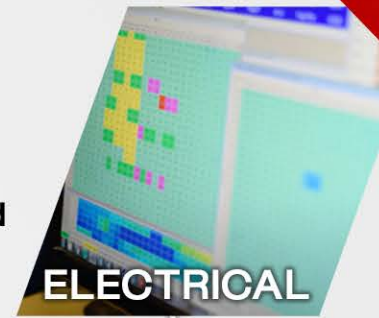
# OUR TEAMS

By simulating the car in a virtual wind tunnel, the aerodynamics team work to generate more downforce to tackle corners faster and make lap times shorter.



AERODYNAMICS

The electrical team is responsible for the control and data acquisition, including all sensors, driver aids, and testing data.



ELECTRICAL

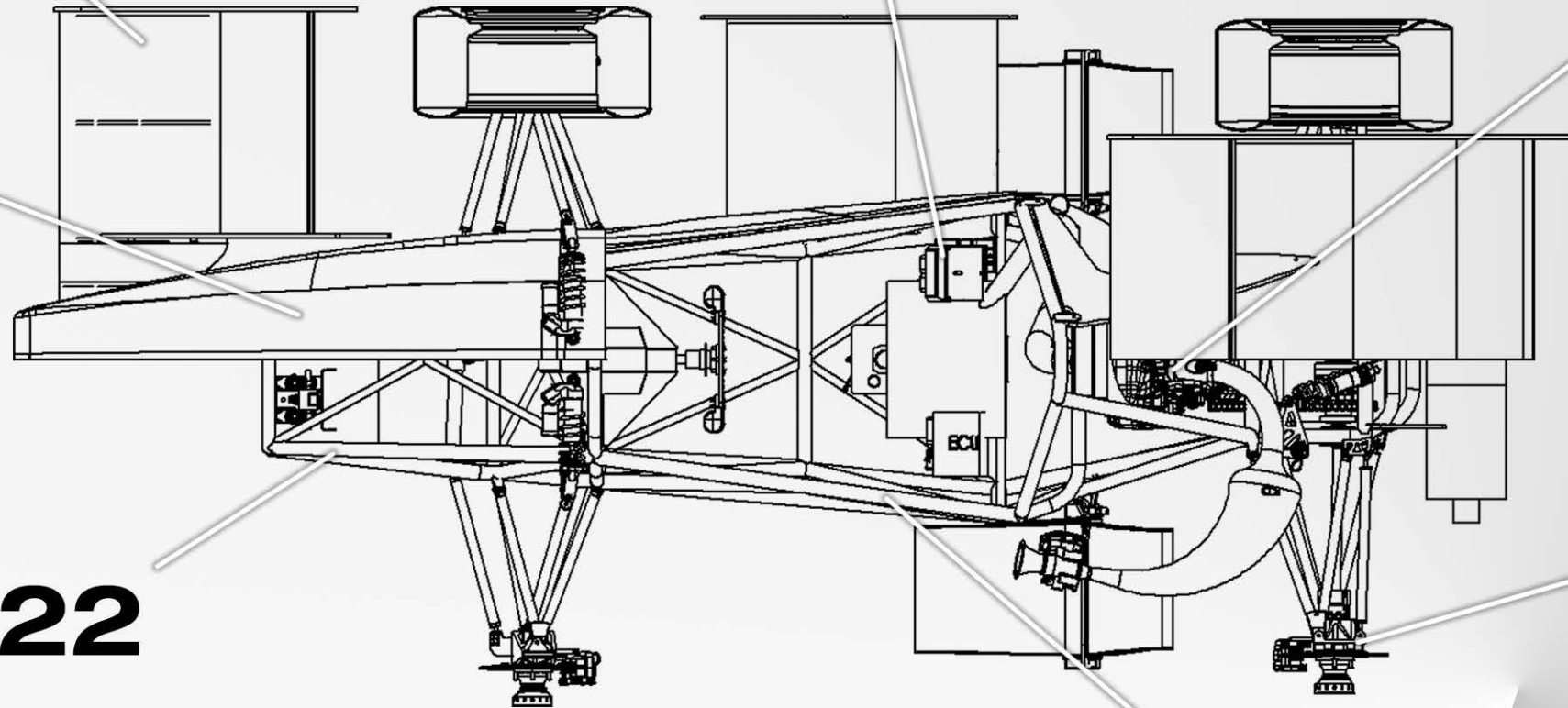


POWERTRAIN

This is the “heart” of our car. The powertrain team is responsible for managing our engines, cooling, and drivetrain components.

COMPOSITES

To make a fast car, it needs to be light; the composites team manufactures carbon fiber components for the aerodynamics package, cockpit, and steering wheel.



**QUEEN'S**  
RACING  **22**

**Engine: KTM 450 SX-F, Redline at 11,500 RPM**

**Acceleration: 0-100 km/h in 3.0 seconds**

**Composites Used: Carbon Fiber, Kevlar, Nomex Honeycomb Core**

**Driver Assists: Custom Wiring Harness, Traction Control, Launch Control**

This is the “skeleton” of our car. The chassis department works to manufacture a tubular space frame that’s as light as possible, while being as stiff as possible.



CHASSIS



VEHICLE DYNAMICS

The vehicle dynamics team works with our suspension and tires, while ensuring all our other departments will maximize vehicle performance.





# OUR STRUCTURE

Faculty Advisor &  
Department Manager

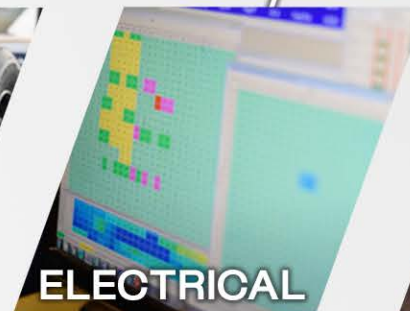
Director of  
Operations

Director of  
Engineering

The identity of Queen's Racing is managed by the media & marketing team. Recently, it has lead **Project Redesign** to revamp our brand image.



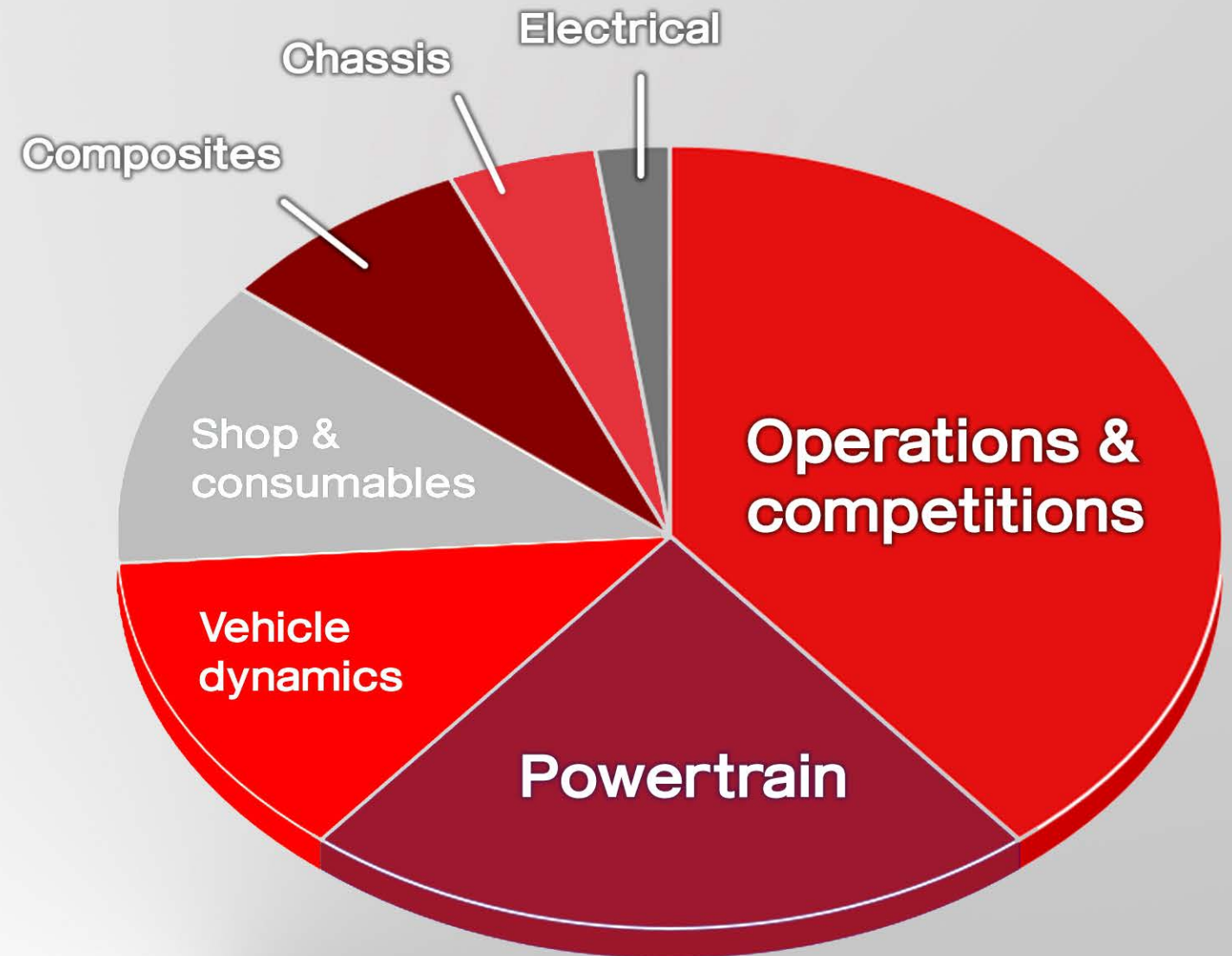
The operations team is what ensures our team can run properly and on time. They manage our budget, merchandise, and sponsorships.



# OUR BUDGET

Building materials, shop equipment, design tools, and registration fees add up very quickly; this is why we rely on **your support**.

When contributing to a team like Queen's Racing, you can rest assured that your contribution will be put to responsible use. In-kind and monetary donations are managed in detailed budgets in order to ensure fair distribution of funds to compose a **winning team**.





# PARTNERS' BENEFITS

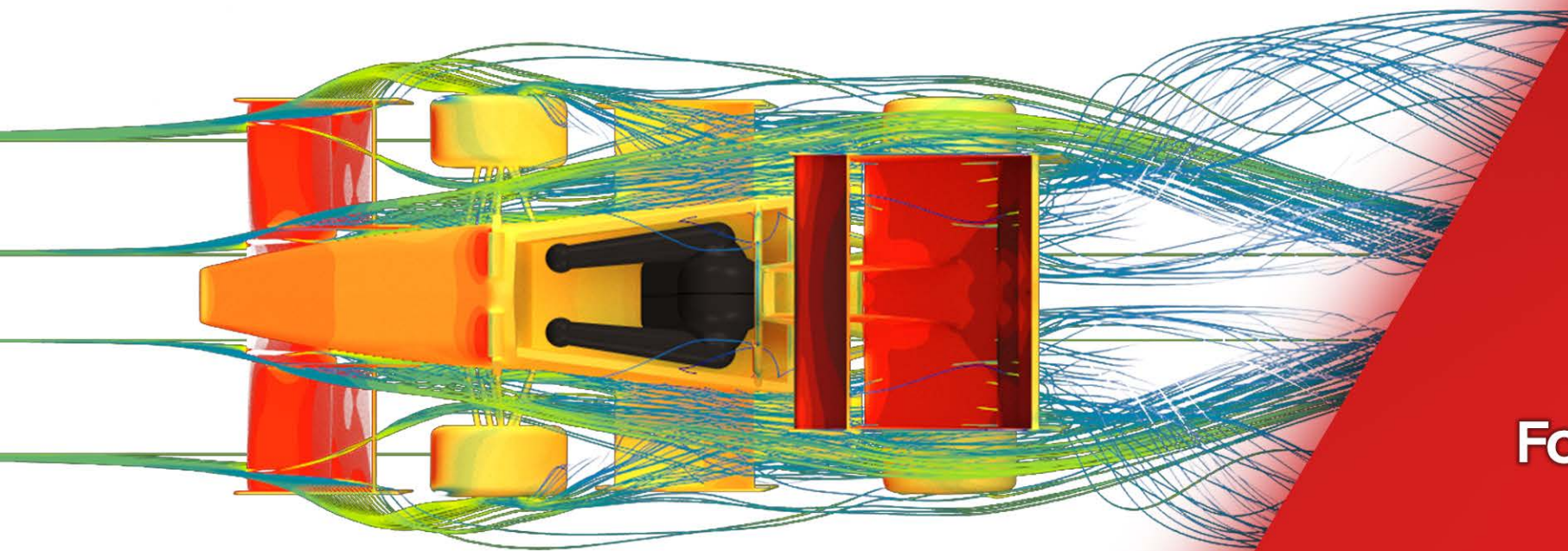
|                                 | TITLE                      | DIAMOND   | GOLD     | SILVER   | BRONZE    |
|---------------------------------|----------------------------|-----------|----------|----------|-----------|
|                                 | CONTACT US                 | \$10,000+ | \$3,000+ | \$1,000+ | < \$1,000 |
| WEBSITE & SOCIAL MEDIA EXPOSURE | ✓                          | ✓         | ✓        | ✓        | ✓         |
| LOGO ON CAR & UNIFORM           | 2 Large + primary location | 2 Large   | 2 Medium | 2 Small  | 1 Small   |
| NEWSLETTER UPDATES              | ✓                          | ✓         | ✓        | ✓        |           |
| SHOP & CAMPUS TOUR              | ✓                          | ✓         | ✓        |          |           |
| RESUME BOOK                     | ✓                          | ✓         | ✓        |          |           |
| PERSONALIZED THANK YOU VIDEO    | ✓                          | ✓         |          |          |           |

All sponsorships are greatly appreciated and Queen's Racing is committed to providing maximum value for your sponsorship dollar. As a sponsor, you can choose the amount you would like to contribute to the team based on the levels shown to the right.

Business acknowledgment receipts can be issued for both cash, in-kind, and material donations.



# GET IN TOUCH WITH US.



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[www.qfsae.ca](http://www.qfsae.ca)



[FormulaSAEteam@queensu.ca](mailto:FormulaSAEteam@queensu.ca)



130 Stuart St., Kingston, ON K7L 3N6

