



JOIN US.

WE DESIGN.

WE BUILD.

WE RACE.



**QUEEN'S
RACING**
FORMULA SAE TEAM

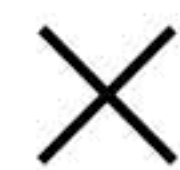
From Our Directors: **WELCOME**

Queen's Racing is a student-run engineering design 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). Through our time at Queen's Racing, our members gain and hone unique skills that enable us to become **leaders in both business and engineering.**

Spencer KALNICKI
Director of Engineering



Malcolm PIRRIE
Director of Operations



THE COMPETITION

Queen's Racing is synonymous with excellence and success.

Queen's Racing competes in both **national and international competitions** and through these tangible experiences, we provide a pathway for team members to become **successful within the automotive industry & beyond.**

Our main competition for the Q23 season will be held at the **Michigan International Speedway** where the governing body, **SAE International**, examines our car's static and dynamic performance. In addition to dynamic testing of our car, Queen's Racing participates in Michigan's **Case Competition** where we outline everything related to our development from **finances to theoretical application in design.**



ENGINEERING TEAMS & TEAM LEADS

John
MACAULAY



A fast car is a light car; the Composites team ensures that by manufacturing carbon fibre components such as the aerodynamics package, seat, and more.

Martin
ALEXIEV



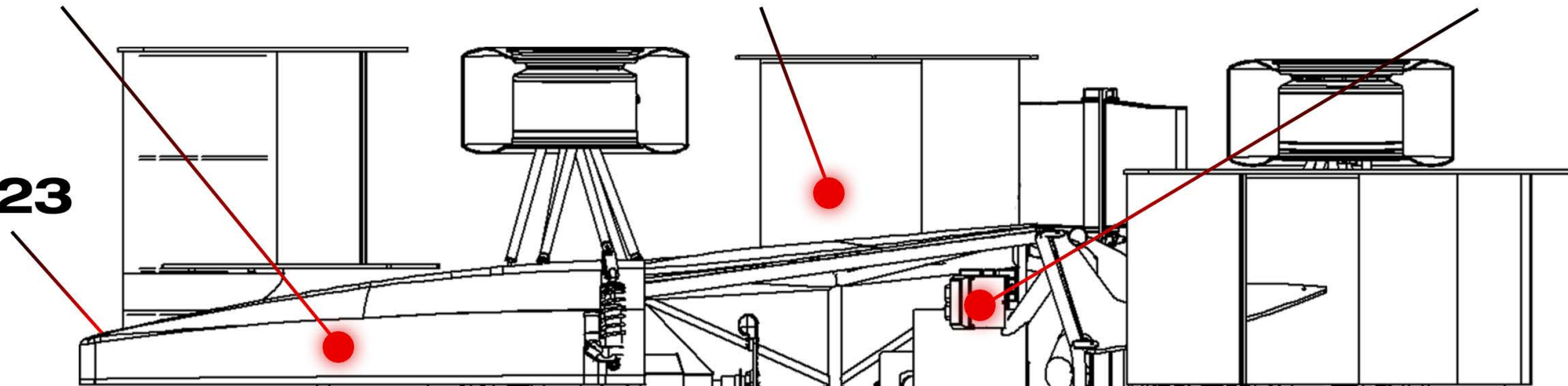
The Aerodynamics Team strives to improve the car's performance using downforce. We use industry techniques and software to design and test the car's aerodynamics package.

Ethan
PETERSON



We are responsible for designing and manufacturing the car's automated safety features alongside a driver interface that is intuitive and reliable. Additionally, we implement and collect data from various sensors to better understand the car.

**QUEEN'S
RACING** **Q23**



Powertrain

KTM 450 SX-F - redline @ 11,500RPM

Acceleration

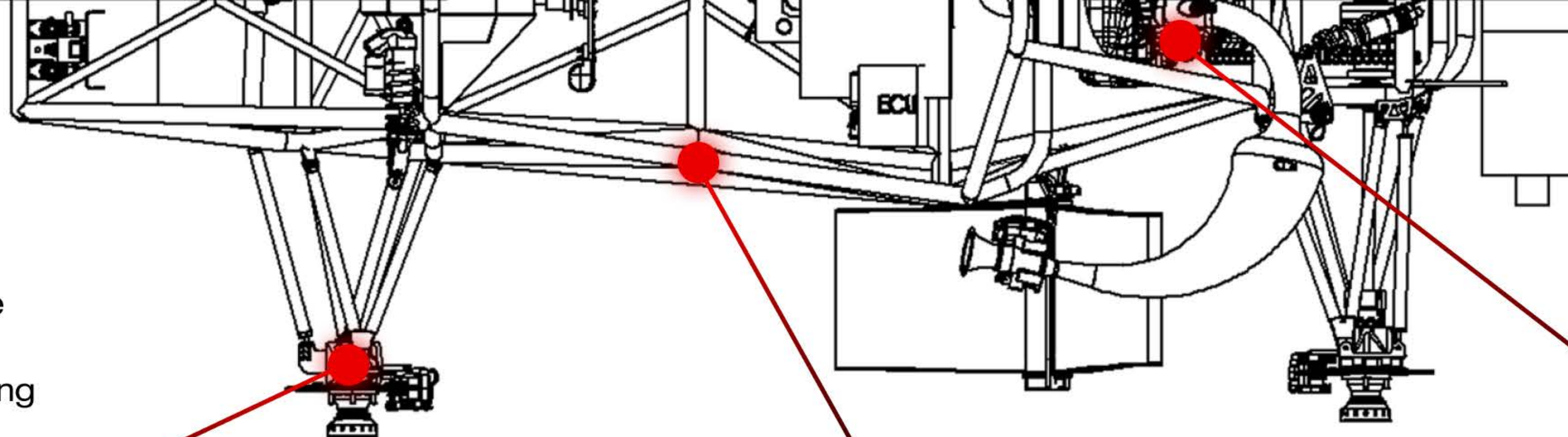
0-100kph in 3.5s

Composites

Carbon fiber, kevlar, nomex honeycomb core

Driver Assists

Traction control, launch control, throttle blipping



Samuel
PETRINA



The Vehicle Dynamics team's primary goal is to optimize the car's interaction with the road. We design, test and build the suspension, steering and braking systems of the car.

Eric
SASS



Our team designs the frame in order to support everything from the driver to the engine. Additionally, we design ergonomic components such as the seat and pedal box.

Spencer
KALNICKI



We design, model, and manufacture the vehicle's driveline and driveline management systems. We strive to produce maximum power to generate maximum on-track performance in competition.

Spencer KALNICKI

Director of Engineering
& Powertrain Team Lead



All engineering sub-teams are under the oversight of Spencer Kalnicki, our Director of Engineering, who manages the entire design process, from ideation to completion and testing.





QUEEN'S
RACING

OPERATIONS TEAMS & TEAM LEADS

Aren
JO



**MEDIA/
MARKETING**

We build and maintain the brand identity of Queen's Racing. We generate media content in order to market our team to our sponsors and potential members.

Jacob
PARK



**FINANCE/
SPONSORSHIP**

We handle the financial side of Queen's Racing, both internally and externally. Our duties include sponsor acquisition and retention, purchasing, forecasting and accounting.

Rowan
SPIRAK



**LOGISTICS/
GENERAL PROJECTS**

Our goal is to streamline projects and events for the team. We are responsible for safety protocols and special projects, alongside competition and event logistics.

Malcolm PIRRIE
Director of Operations



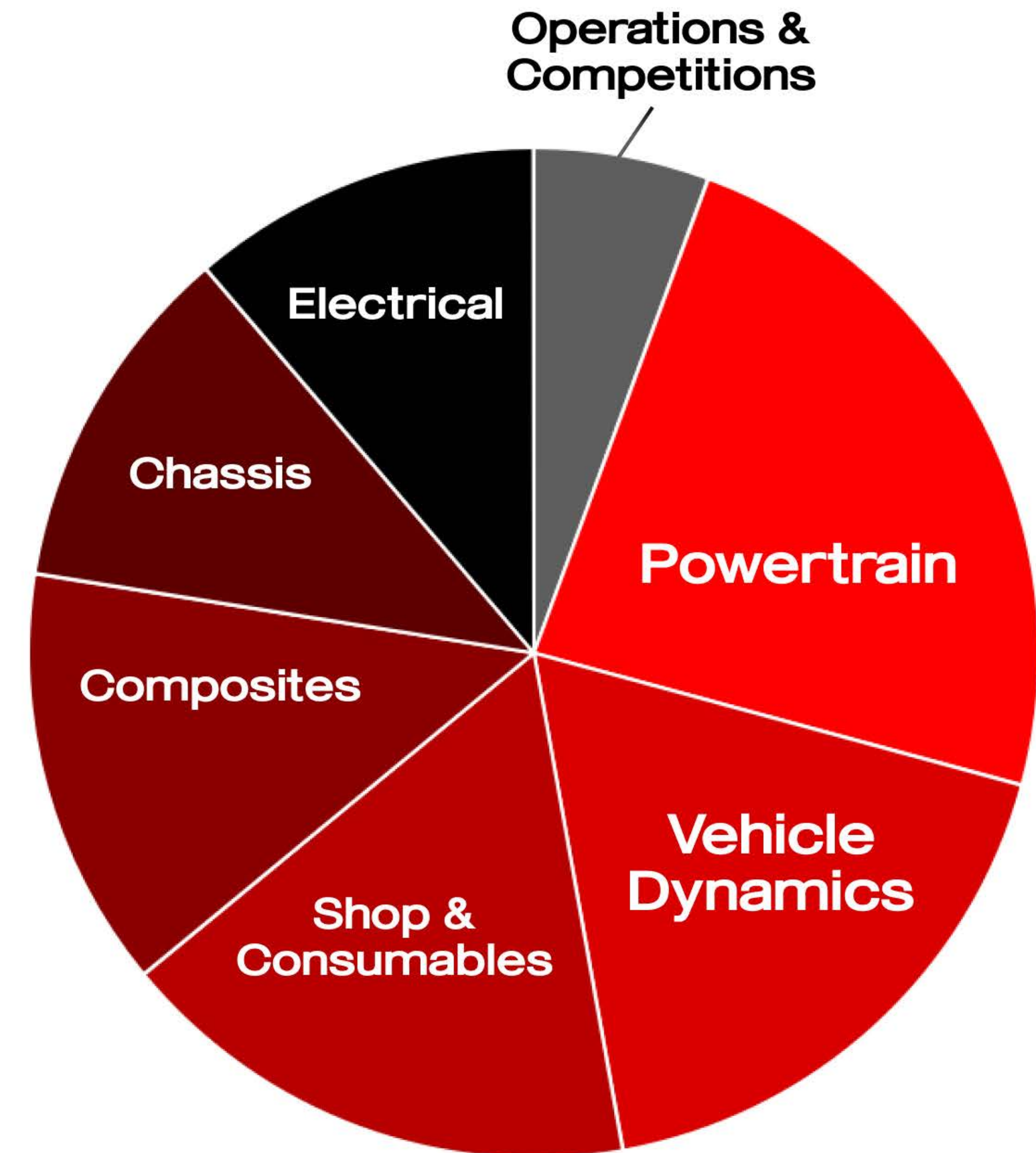
Our Director of Operations manages and oversees all aspects aside from the design and manufacturing of the car itself. Through **Finance, Marketing, and Logistics**, non-engineering processes and tasks are simplified and streamlined for our engineering teams.



OUR BUDGET

Building materials, shop equipment, design tools, and registration fees add up very quickly, which is why 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 support are allocated within detailed budgets in order to ensure fair distribution of funds to **compose a winning team**.



Outline of our budget for the 2022-23 year



PARTNERS' BENEFITS

	TITLE \$10,000+	DIAMOND \$7,500	GOLD \$5,000	SILVER \$2,500	BRONZE <\$1,000
Website & Social Media Exposure					
Logo on car	Centrally-Focused Logo +2 Large	2 Large	2 Medium	2 Small	1 Small
Logo on merchandise & team uniform					
Feedback & testing data of your product					
Newsletter updates					
Shop & campus tour					
Resume book of our members					
Personalized thank you video					
TITLE PRESENCE*					

All support is greatly appreciated. Queen's Racing is committed to providing **maximum value for your sponsorship dollar**. Sponsorship levels and varying benefits are shown on the table to the left - they **can be discussed and modified** to fit what you are looking to receive from the team. Please feel free to reach out for specifics.

Business acknowledgement receipts can be issued for monetary, in-kind, and material donations.

*** TITLE SPONSOR example**

YOUR SPONSOR



As a title sponsor you are entitled to all our team's **resources and contacts** with your sponsorship central to our operations. In addition, your logo will be **placed synonymously** with ours.

GET IN TOUCH WITH US.



QUEEN'S
RACING

WEBSITE

www.QFSAE.ca

E-MAIL

FormulaSAETeam@QueensU.ca

ADDRESS

130 Stuart St., Kingston,
ON K7L 3N6 Canada