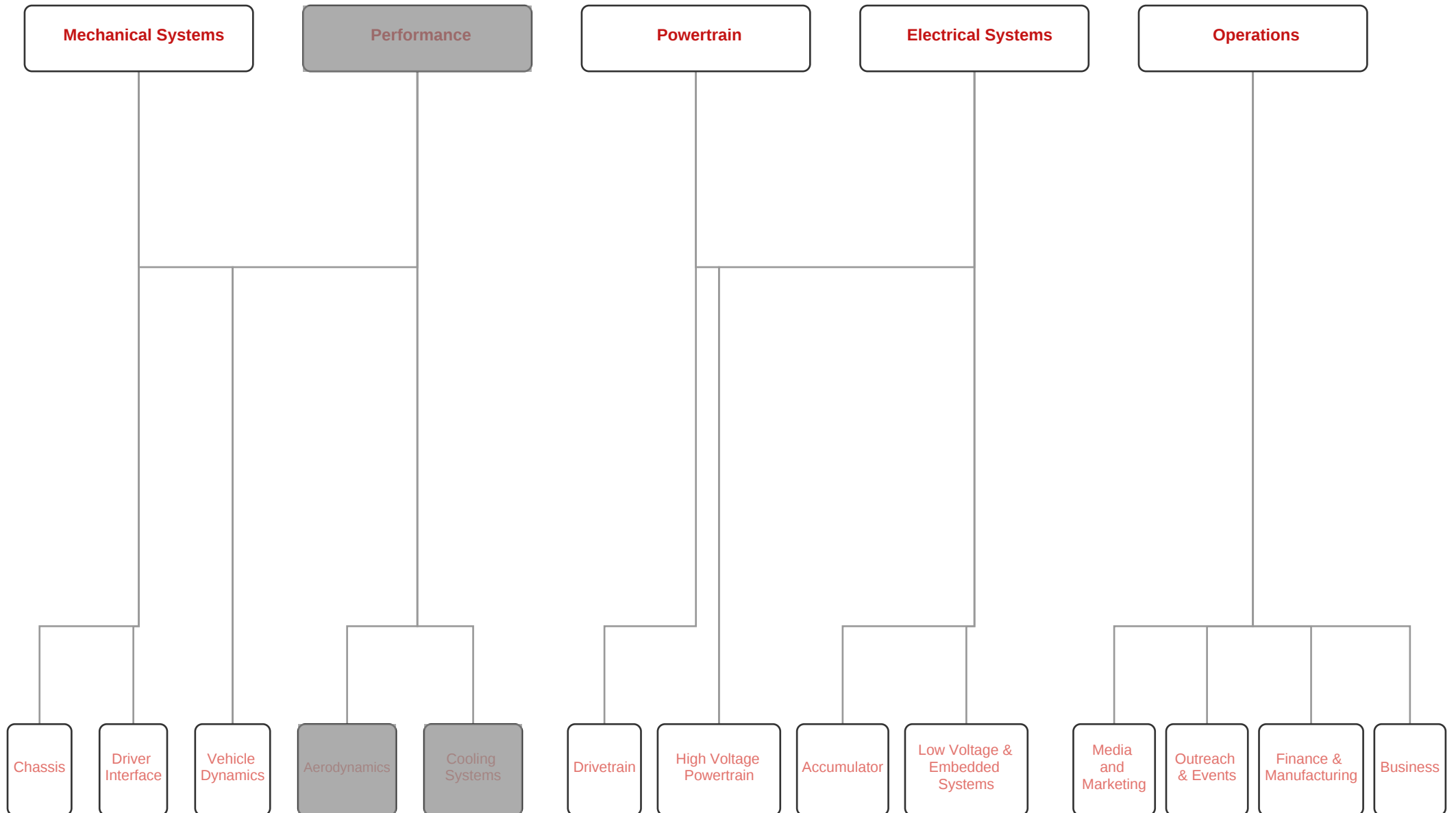


CSG Racing: Team Structure

Formula Student EV Racing Team, City St George's, University of London



Departments & Sub-Teams

Mechanical Systems

Mechanical Systems designs, builds, and refines the physical machine that turns electrons into lap times: everything the driver sits in, sits on, and steers around a track. If you love CAD, composites, and seeing your parts bolted onto a real race car, this is where you belong.

Chassis

Chassis designs and manufactures the car's structural backbone: the space-frame or monocoque that holds every other system together and keeps the driver safe in a crash. It's a hands-on mix of CAD, structural analysis, welding, and composite layup.

Driver Interface

Driver Interface covers the harness, seat, and pedal box, including the brake and accelerator pedals: everything that connects the driver to the car.

Vehicle Dynamics

(A shared team, split between Mechanical Systems and Performance)

Vehicle Dynamics covers the suspension system, from the unsprung mass through to the tyre-to-upright assembly, shaping how the car grips and handles the track.

Performance

Performance shapes how the car cuts through and works with the air around it, designing wings, diffusers, and bodywork to generate downforce while keeping the car's components running cool under race conditions. If you love the idea of turning airflow into lap time, this is where you'll do it.

Performance (including Aerodynamics and Cooling Systems) is not currently recruiting — if you're interested, please note this on your application and we'll reach out when recruitment reopens. We are still recruiting for Vehicle Dynamics.

Aerodynamics

Aerodynamics designs the car's body panels, sidepods, front wing, canards, and side skirts to manage airflow and generate downforce.

Cooling Systems

Cooling Systems keeps the battery pack and motor running at safe operating temperatures, managing airflow to stop the car from overheating mid-race.

(See Vehicle Dynamics under Mechanical Systems, shared jointly with this department.)

Powertrain

Powertrain turns electrical energy into raw speed, engineering the drivetrain and charging systems, including the team's own mobile charging cart, that get power from the battery to the tarmac. Join if you want to work on the mechanical and electromechanical heart of the car's performance.

Drivetrain

Drivetrain handles the mechanical powertrain, from assembly through to full integration into the car.

(See High Voltage Powertrain under Electrical Systems, shared jointly with this department.)

Electrical Systems

Electrical Systems keeps the car's power and control network alive, from the battery pack that stores every joule to the low-voltage brains that keep everything talking to each other safely. If you love the idea of your circuit board deciding whether the car drives or shuts down, this is your department.

Accumulator

Accumulator is responsible for the tractive system accumulator container (TSAC) and the accumulator itself, built and certified to strict safety standards.

Low Voltage & Embedded Systems

Low Voltage & Embedded Systems covers the shutdown circuit (SDC), firmware, and the rest of the car's low-voltage and embedded electronics.

High Voltage Powertrain

(A shared team, split between Electrical Systems and Powertrain)

High Voltage Powertrain covers the motor and motor controller, including DCE mechanical integration, with electrical integration limited to the DCE and other tractive-system-specific electronics.

Operations

Operations is the engine room behind the engine room, handling the sponsorship, budgeting, communications, and events that keep the whole team funded, visible, and running smoothly. It's the perfect fit if you want to shape the team's success without picking up a spanner.

Media and Marketing

Media and Marketing is responsible for posts across every platform, handling photography and video editing to spread the word about the team.

Outreach & Events

Outreach & Events contacts sponsors for events and handles general communications, planning every kind of event the team runs.

Finance & Manufacturing

Finance works with every sub-team to complete the cost and manufacturing documentation required for competition, tracking and documenting all costs incurred.

Business

Business is responsible for the business plan proposal, one of Formula Student's static events where teams pitch the commercial case for their car to a panel of industry judges at Silverstone. Learn more on the IMechE Formula Student website.

Recruitment Notice

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