



What we do

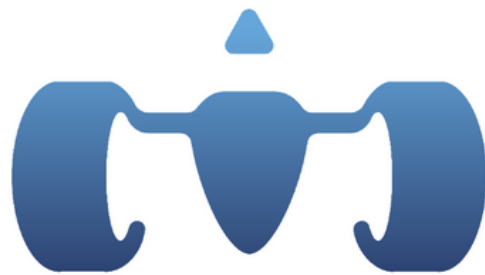
Formula Student (FS) project gives engineering students an opportunity to develop their skillset in the Motorsport industry.

FS is an international engineering design competition for students. University teams are challenged to design, manufacture and assemble a competitive formula type race car. During the competition season, the challenge is to perform against FS teams from all over the world.

Our next car HPF024 is being developed during 2024 – 2025.

Performance:

- 4-wheel drive electric car
- Top speed – 120 km/h
- Weight 226 – kg
- Battery voltage – 600V
- maximum power – 80 kWh



METROPOLIAMOTORSPORT
FORMULA ENGINEERING

Who we are

Metropolia Motorsport Formula Engineering team was founded in 2000. It consists of 8 subsystems: Aerodynamics, Brakes, Chassis & Composites, Drivetrain & Cooling, Driverless & Simulations, Electrics, Electronics & Programming, Media & Marketing, Suspension & Steering.

- The project is **fully** run by students and is supported by Metropolia UAS.
- The Team consists of **50** members.
- First and **only electric** team and **highest performing** FS team in Finland.
- The **design** of the car is created by the Team members.
- **80%** of manufacturing is done by the Team.



Racing

FS Competitions are held annually. The right to participate is gained via entry quizzes or an entry fee.

- Teams are evaluated on: Engineering design, Cost, Business Plan presentation, Skid pad, Acceleration, Autocross, Efficiency, Endurance.
- During summer competition season 2024, our Team attended:
 - FS East
 - FS Italy
 - FS Czech Republic
 - FS Germany
 - FS Baltic Open Estonia



What changes for 2025

- Complete re-design to the steering system.
- Optimization of hull lay-up by rethinking the carbon layers.
- Upgrades in powertrain.

Contact Us!



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Metropolia Motorsport
formula engineering



Smart design – Electric future

- Metropolia Team's FS car is currently the only electric car in the same category in Finland.

Main partner – Alumecco

- Alumecco has been Team's main partner since 2015.

Member of honor – Mika Salo

- In 2022, the former Formula driver announced his intention to support the Team's development.