

FESZKEMÉTI FELSŐOKTATÁSÉRT ALAPÍTVÁNY



TEROSON

LOCTITE

FESTOOL



MATERIAL-PLASTIK



C3D

KNOTT
AUTOFLEX-GROUP

BIGTEK
ROGZITES TECHNICA

29

ACPS AUTOMOTIVE

FESZKEMÉTI

WHAT IS FORMULA STUDENT?

Formula Student

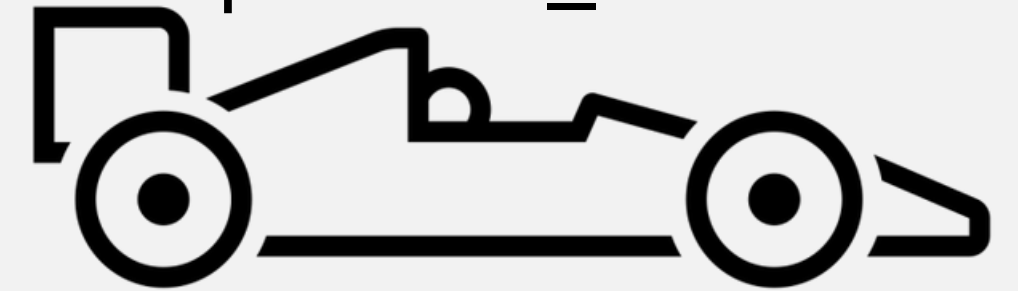
Engineering student teams design, develop and build a Formula-type racing car, with which they participate in international competitions

The Goal

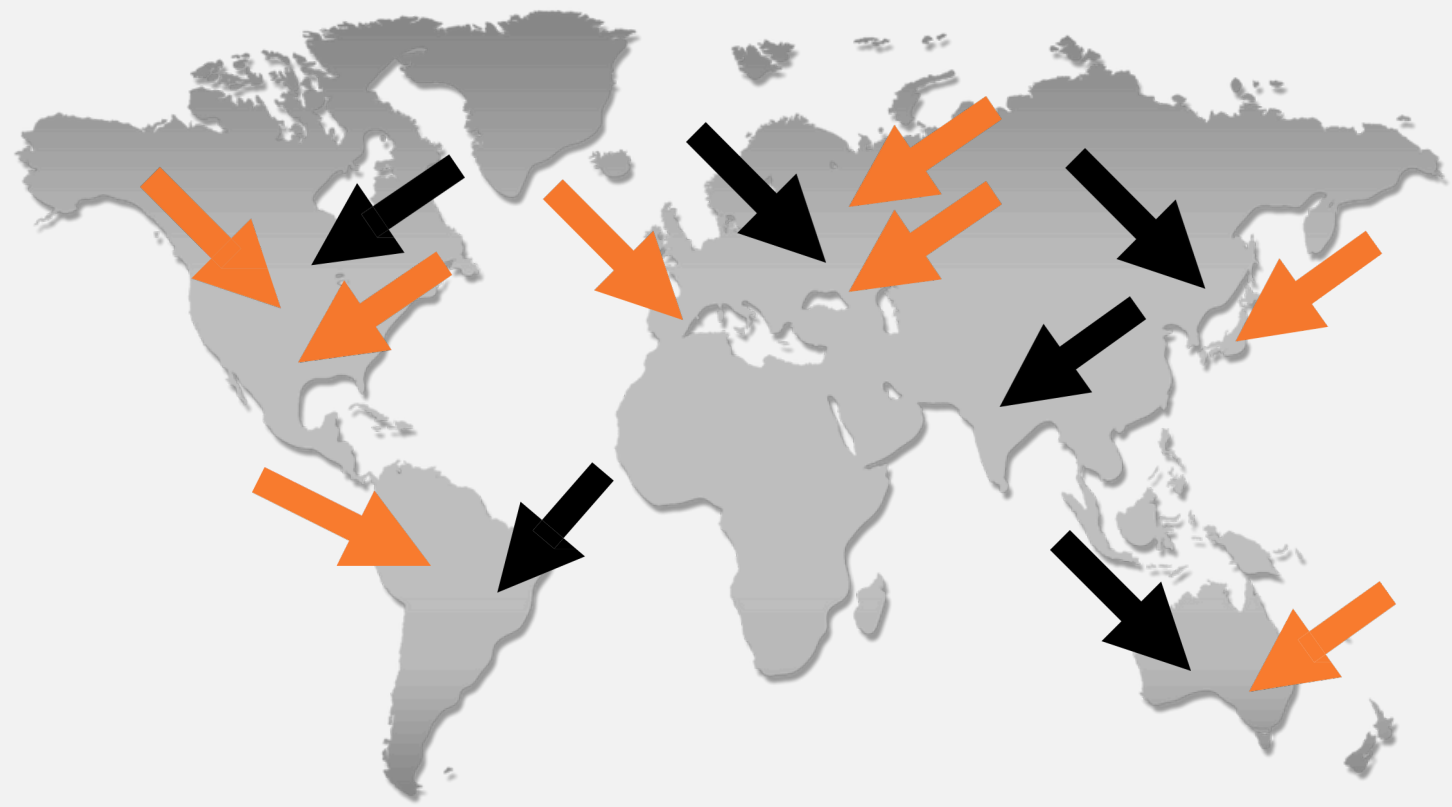
Over the course of a one year competition season, train highly qualified university students proficient in engineering, organizational and management tasks.

Rules and Handbook

- I. Formula Student Rules 2025
- II. FSEast_2025_Compensation_Handbook



How do we compete?



Categorys:

CV - Internal Combustion Engine Vehicle

EV - Electric Vehicle

DV - Driverless

End of January- Beginning of February:
QUIZ-DAY

STRUCTURE OF AN FS COMPETITION:STATIC EVENTS

Business Plan Presentation

An idea of how the racing car can best be integrated into a profitable business.

Cost and Manufacturing

Presenting the exact design and production costs of the current race car.

Engineering Design

Presentation of the racing car itself, its developments and design.

	BPP	C&M	ED
Maximum points	75	100	150



STRUCTURE OF AN FS COMPETITION: PRE-DYNAMIC EVENT INSPECTION

The car must pass several **inspections** before participating in the Dynamic Event.

PRE-INSPECTION

- Presentation of all helmets
- Presentation of all driver gear
- Presentation of two unused fire extinguishers
- Presentation of one set (4 pcs) of slick tires
- Presentation of one set (4 pcs) of rain tires



MECHANICAL SCRUTINEERING

Does the car comply with the competition regulations?

- Presentation of various documents
- Presentation of various forms
- Jacks and push bar
- The tallest driver

DYNAMICS SCRUTINEERING

- Driver Egress
- Brake Test
- Noise Test
- Tilt Test
- Vehicle Weighing



STRUCTURE OF AN FS COMPETITION: DYNAMIC EVENTS



Skidpad

The driver must drive the car in the shape of the number '8'. The first two laps are taken to the right, and the other two to the left (the first being the warm-up lap, and the second being the timed lap).

Endurance

The first driver must enter the driver change area after the first 11 km, where a driver change takes place. The second driver then continues and receives a signal to exit the track after the second 11 km.

Acceleration

The acceleration track is 75 meters long and at least 3 meters wide.

Autocross

A 1 km long track marked with cones must be completed in the shortest possible time.

Efficiency

The efficiency in terms of fuel consumption is monitored based on the distance covered during the Endurance event.

STRUCTURE OF AN FS COMPETITION: DYNAMIC EVENTS

	Skidpad	Acceleration	AutoX	Endurance+ Efficiency
Number of races	4	4	4	1
Number of drivers	2	2	2	2
Track length		75 m	1 km	22 km
Maximum score	50	50	100	250+75

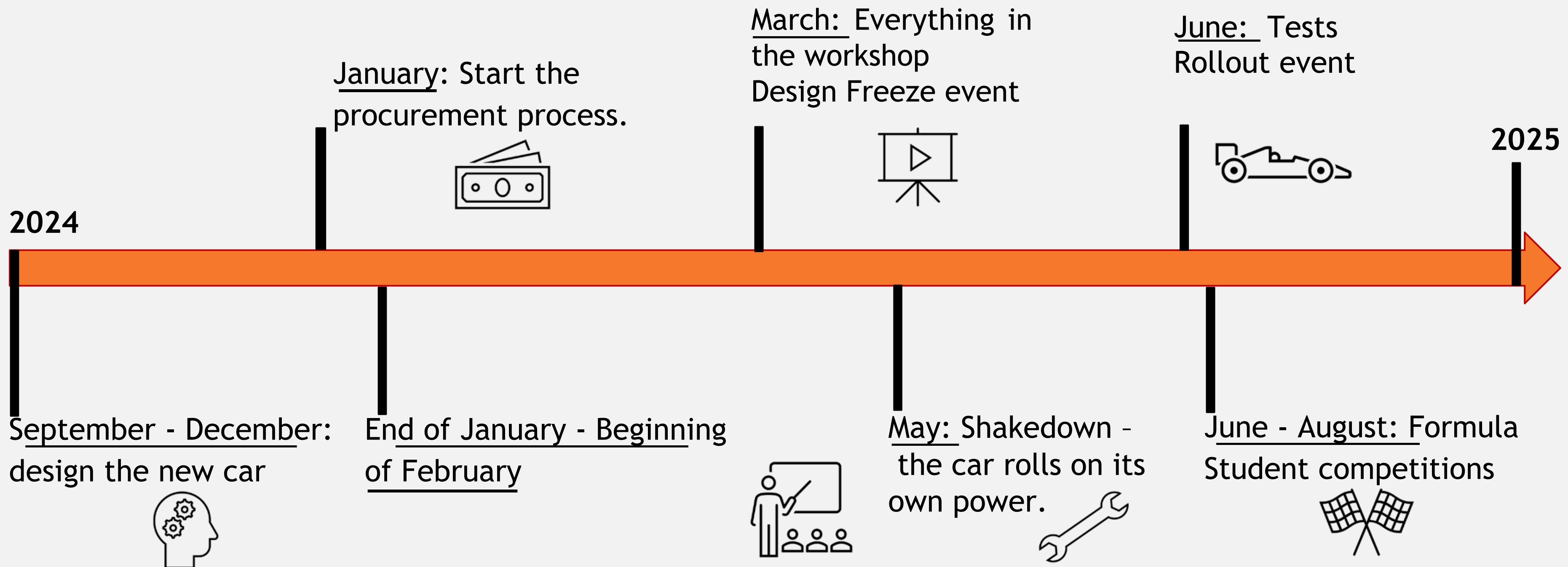
Number of registered drivers:
Minimum of 4 drivers / team



”Wheel To Wheel”



STRUCTURE OF AN IDEAL FS SEASON

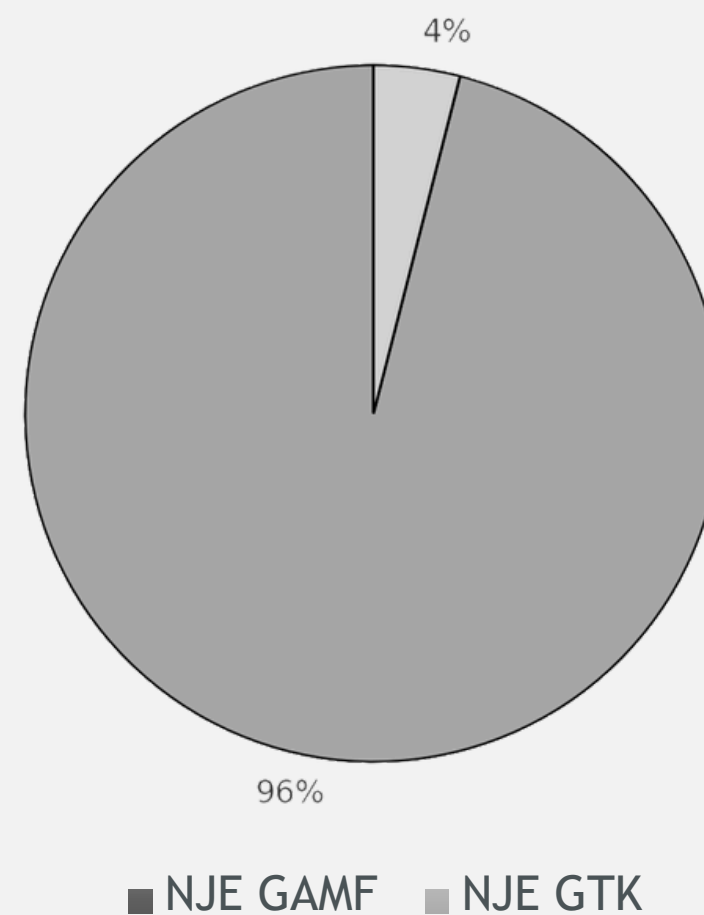


NFS Team

Our studies

Number of team
members: 25
motivated
students

Year of
foundation:
2010



NJE - GAMF: Vehicle Engineering- 68 %
Mechanical Engineering - 24 %
IT Engineering - 4 %

NJE - GTK:
Economics and Management -4 %

Our achievements

2021 – FS Russia
Engineering Design
II. Place

2021 – FS Easter
Business Plan Presentation
I. Place

2022 – FS Easter
Business Plan Presentation
III. Place

2024 - FS Poland
Overall
VIII. Place



OUR TEAM STRUCTURE

We organize our **groups** around the components of our car.



AERODYNAMICS

ELECTRONICS

PRODUCTION

POWERTRAIN

COMPOSITE

VEHICLE DYNAMICS

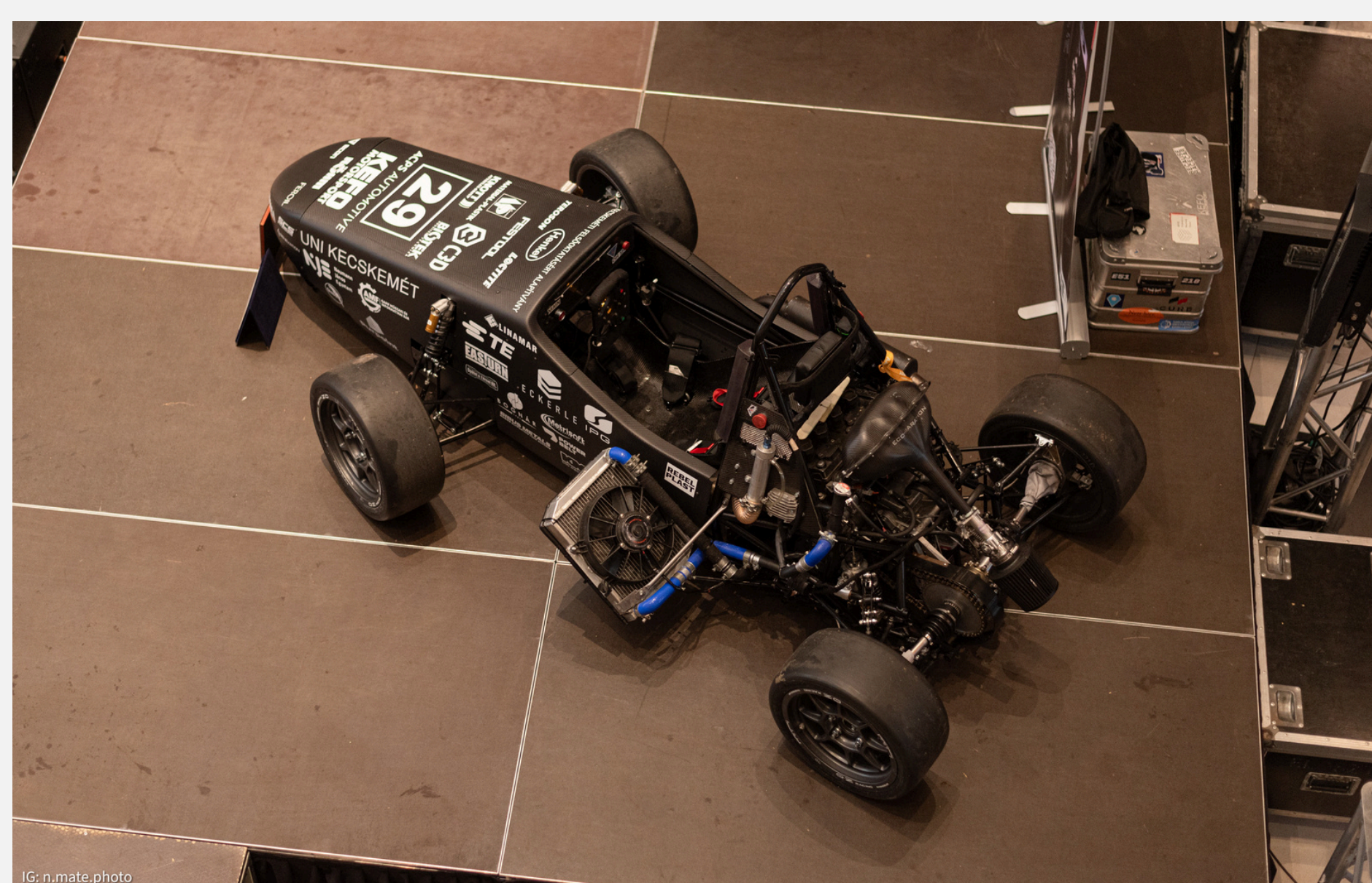
MANAGEMENT

CHASSIS

80%
Our design
and
manufacturing

KMS'25

20%
Purchased
components



Chassis:
Lattice steel tube frame

Yamaha R6 (2004)
600 cm³, 100 hp,
60 Nm torque

Car weight: 240 kg
Top speed: 160 km/h
0-100 km/h: 3,5 mp

Tires: Continental
C21
Wheels: OZ Formula Student
Magnesium

Aerodynamics:
Geometry designed for low speeds, optimized
for cornering.

THE KEY TO OUR SUCCESS

THE KEY TO OUR SUCCESS Beyond our dedication and knowledge.
our success lies in our **SPONSORS**, who support our work.



With financial
support.

With product and service
support.

With manufacturing
support.

With intellectual
support.

OUR SPONSOR CATEGORIES

PARTNER CATEGORIES

0-250.000 Ft

BRONZE CATEGORIES

250.000-500.000 Ft

SILVER CATEGORIES

500.000-750.000 Ft

GOLD CATEGORIES

750.000-1.000.000 Ft

PLATINA CATEGORIES

1.000.000 Ft -



OUR SERVICES

	PARTNER	BRONZE	SILVER	GOLD	PLATINUM
Website visibility					
Social media presence					
Placement of the company's logo on our roll-up					
Joint appearance at events					
Frequent collaboration with the companies					
Company logo on the back of our sponsor t-shirts					
Small sticker on the rear wing					
Highlighting joint events on our website					
Short advertising video making					
Small sticker on the front or rear wing					
Medium-sized sticker on the side of the car					
Large sticker on the side of the car					
Company logo on the front of our sponsor t-shirts					

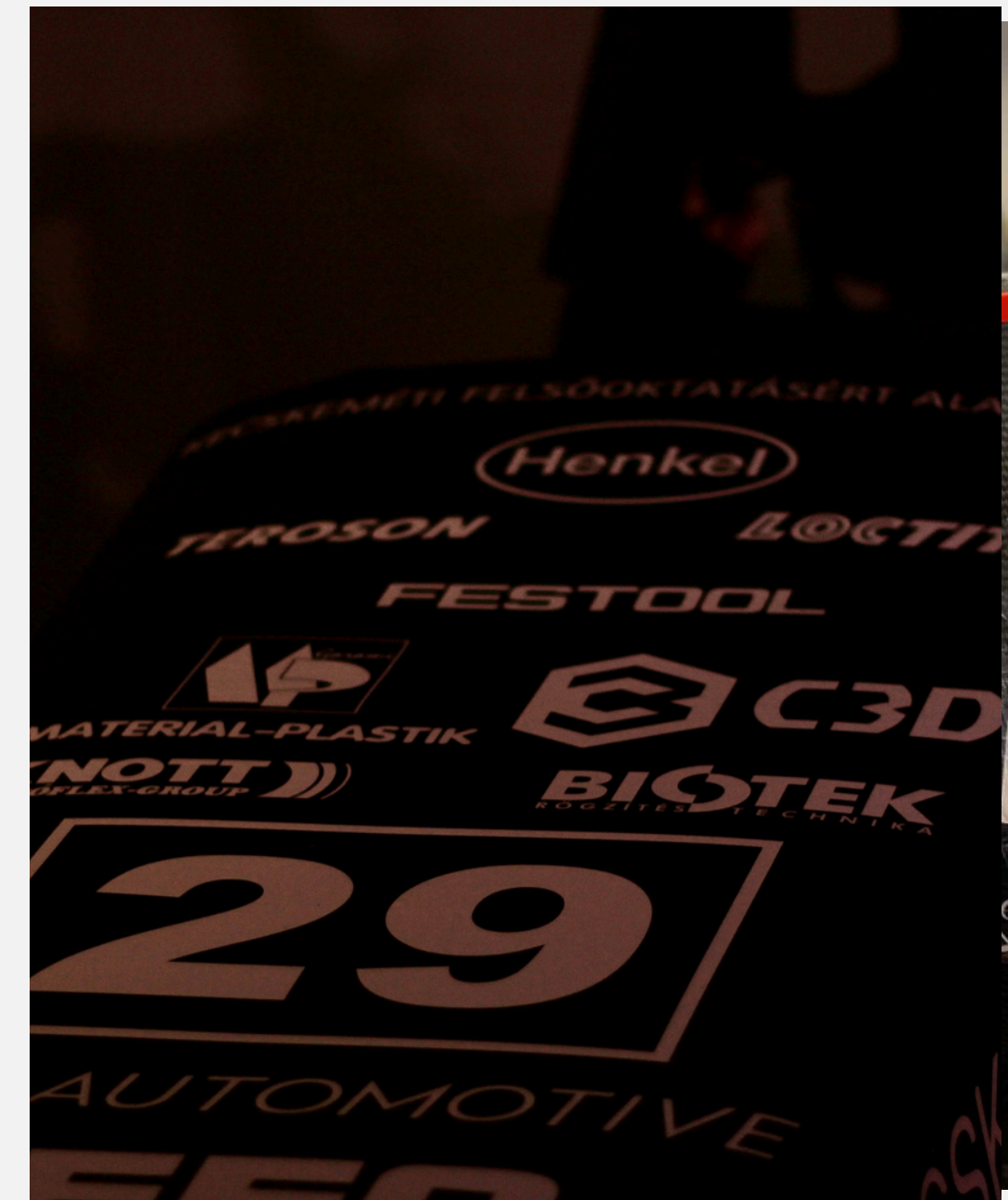
LONG-TERM GOALS

Transition primarily to **hybrid**, later to an **electric** powertrain.

Building a **full monocoque** chassis.

Achieving **first place** in the Hungarian FS field.

Achieving a place in the **TOP 100** internationally.



SHORT-TERM GOALS

Building a completely
new Formula Student
race car from
scratch.

Participation in at least
**2 international
competitions.**





KERESSENEK BÁTRAN!



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"The real engine is the crew!"

