

# INFOFOLDER



# OUR TEAM

## 50+ MEMBERS

Our more than 50 members from over 10 different study programs and 6 different universities, form a versatile and diverse base of skills.

## RACING SINCE 2012

With over a decade of industry and motorsport experience, its runs through our DNA. From the very beginning, we've been committed to supporting students who share one thing in common:

## 1 COLLECTIVE GOAL

To develop and build a race car every year, as well as to continue to develop ourselves. The ultimate goal is to participate in international Formula Students competitions.



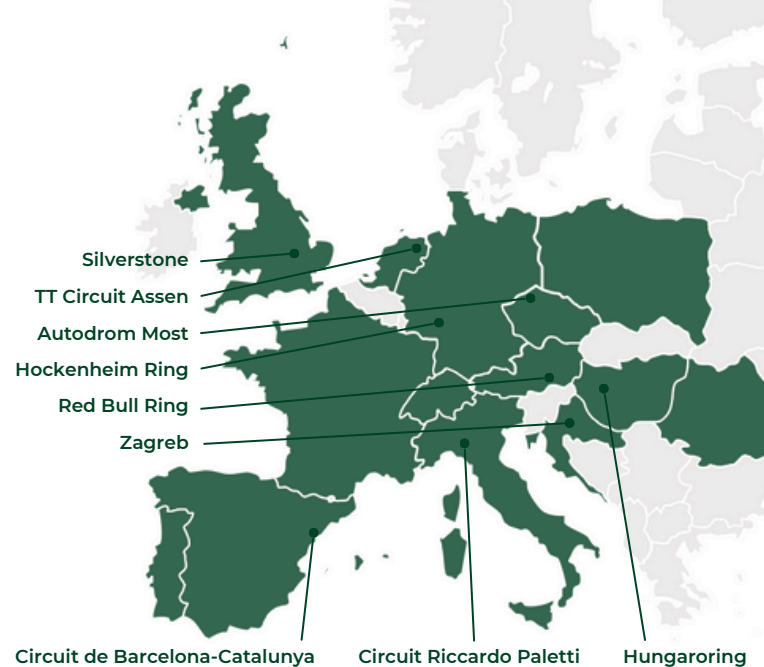
# FORMULA STUDENT

Formula Student is **the largest international design competition** for students, where aspiring engineers from over **600 different teams** worldwide compete with new vehicles each year.

Each team is evaluated in **eight different dynamic and static disciplines**. This not only tests the performance of the race car but also the team's engineering, costing and business skills.

## DYNAMICS

Acceleration  
Skid Pad  
AutoCross  
Endurance  
Efficiency



14 competitions all over Europe

## STATICS

Engineering Design  
Cost & Manufacturing  
Business Plan



# TEAM STORY

Our journey began in **2012** with the founding of the **Os.Car Racing Team** at FH Campus Vienna. We were the fourth team from Austria to participate in the **Formula Student** competitions in **2013** with our first racing car, the **CR-113**.

From our small beginnings with five students from FH Campus Vienna to today, our team has undergone steady growth. Today, **over 50 students** from a **wide range of disciplines, nationalities, and backgrounds** form the **foundation of our success**.



**"Driven by passion, guided by science,  
succeeding through unity -  
every lap, every day."**



Today, more than ever, our team is characterized by a **diverse range of disciplines** – from mechanical engineering and electrical engineering to sustainable resource management and veterinary medicine, we have a wide variety of academic backgrounds within our ranks. Such an **interdisciplinary composition** enables us to bring a broad range of knowledge to the development of our racing cars and thus create innovative solutions.

As a team, we have always been united by our love of motorsport and everything associated with it. **Os.Car Racing** is a **dynamic** family that fosters **innovation**, pushes boundaries, and always strives for the next big **success**.



# OUR TEAMSTRUCTURE

Structured working methods and the shared pursuit of goals are the cornerstones of the Os.Car Racing Team and are of paramount importance in our day-to-day work. To successfully implement the demanding project of developing and manufacturing a race car every year, we rely on detailed planning and the multidisciplinary expertise of our team.

The team is divided into **organizational and technical areas of responsibility**, which are further divided into specific areas of responsibility, so-called **modules**. This structure enables a clear allocation of tasks and ensures rapid, smooth progress within our tight schedule. All modules contribute decisively to the overall success. By **promoting interdisciplinary collaboration** within the team and through regular internal training, our members develop a profound understanding of the entire race car, regardless of their area of responsibility. This cross-functional teamwork strengthens the collective knowledge and efficiency of our team.



## STATICS

Engineering Design  
Cost & Manufacturing  
Business Plan



## DEPARTMENT TECHNIK

Frame & Body  
Aerodynamics  
Suspension  
Engine & Drivetrain  
Electrics



## DEPARTMENT OPERATIONS

Management  
Organisation  
Sponsoring  
Public Relations  
Event Management

# FRAME & BODY

**Frame & Body** is far more than just a frame and its lining. The **frame** forms the **interface** between all other modules, is essential for the **safety** of our drivers and has a significant influence on the **driving characteristics** of our vehicle. Another area of responsibility of Frame & Body is to encompass numerous **interfaces** for the drivers, such as the **pedal system**, **harness system** and **protection** against liquids, heat or even fire. The **outer shell** of the race car does not only serve a visual purpose but also forms the basis of the **aerodynamic** considerations for the entire vehicle.



# AERODYNAMICS

**Aerodynamics** has a simple goal: **maximise downforce** with the **lowest possible drag**. This is easier said than done, it's a **complex process**, involving numerous **conceptual designs**, testing different **design iterations** using **flow simulations** and analyzing them for the most effective construct. The result of this work is a package of aerodynamic elements which allow our race car to **tremendously increase** its **cornering speeds**.

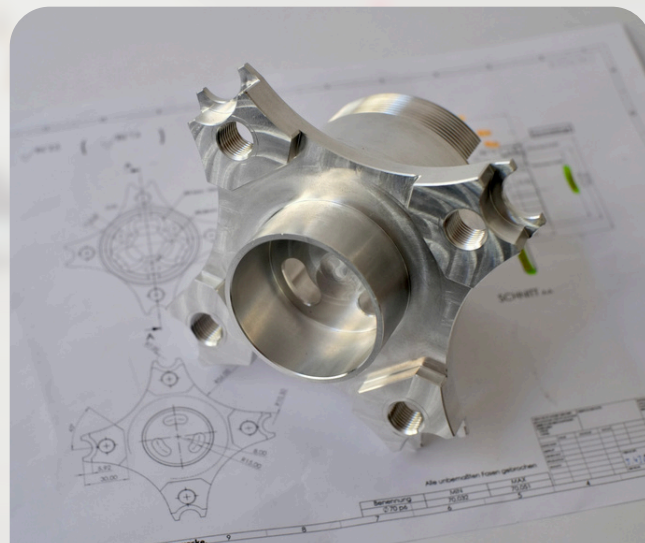


## ENGINE & DRIVETRAIN

Engine & Drivetrain produces the power that propels our race car forward. It's not only important to extract the **highest possible performance** from the engine, but also to be as **energy efficient** as possible. With the help of our **innovative hybrid systems**, the team excels in both of these challenges. Complex **mechanical** and **control systems** are part of Engine & Drivetrain's daily business.

## SUSPENSION

The **suspensions'** job is to create the best possible connection between the chassis and the racetrack in every possible driving situation. Ensuring the best balance between **driving stability, agility and safety** in all situations is a challenge that can only be mastered through a broad range of expertise, from **steering** and **braking systems** to **wheel suspension, tire science** and comprehensive **analysis of driving data**.





## ELECTRICS

Wherever there are electrons in motion in a race car, **Electrics** is on hand. Whether powering the **on-board electronics** and the **hybrid system**, collecting data with a variety of **sensors**, or the **driver interface** on the steering wheel, the team ensures smooth operation of the on-board system with **innovative solutions**. From in-house development of the **battery** for the hybrid system, **PCBs** for a wide range of applications, to the planning and production of the **wiring harness**, Electrics' areas of responsibility are broad.

## OPERATIONS

Our **Operations** Team is responsible for ensuring that all processes within the team run smoothly and serves as the glue that holds the entire team together. Divided into the departments of **Organization**, **Sponsorship**, **Public Relations** and **Event Management**, they offer a broad range of expertise in all areas of the team's daily work.

The Operations Department's impact is equally broad. Liaising with **sponsors** and other **teams**, **photo-** and **videography**, managing all of our **social media** and maintaining team morale with internal and public **events**.



# BETTER TOGETHER

**Carrying out** such a large-scale **project** would be impossible for us alone. Therefore, we **rely on the support of numerous strong partners** who enable us to bring our innovations to the racetrack.

The **intensive** and **cooperative work** with our **partners** enables a vital exchange of technologies, information and experiences which **benefits both sides** and forms an **essential basis** for a successful season.





## EXTERNAL APPEARANCE

With us, you will be represented at **Austria's largest university of applied sciences**, at numerous industrial trade fairs and in a wide variety of social networks.

## CELEBRATE TOGETHER

**Sponsor rides, standing in the pits** with us at our **competitions**, sponsor parties – experience the racing feeling and the team up close.

## THE FUTURE IS TODAY

**After completing their studies**, our **members** can be found in top companies – you too can **contact future employees** or customers today.

## INTERNATIONAL

Spielberg, Barcelona, Zagreb, Hockenheim and many other competitions are part of **Formula Student** and leads to an **increase** in **your company's presence**.

## PARTNERNETWORK

Our **broad partner network** is represented at our numerous events – take advantage of this opportunity to **exchange ideas and contacts**.

	PLATIN	GOLD	SILVER	BRONZE	CLASSIC
	OVER 10.000€	OVER 5.000€	OVER 2.500€	OVER 1.000€	UP TO 1.000€
Display of the car at your company events	✓				
Logo Placement Team clothing	✓ 16 cm <sup>2</sup>	✓ 8 cm <sup>2</sup>			
Logo Placement on the car	✓ Both sides 250 cm <sup>2</sup>	✓ Both sides 100 cm <sup>2</sup>	✓ One side 40 cm <sup>2</sup>		
Social Media	✓ Individual	✓ Individual	✓ Individual	✓ Group post	
Job portal	✓ 4 job postings	✓ 3 job postings	✓ 2 job postings	✓ 1 job postings	
Print media	✓	✓	✓	✓	✓
Invitation to Events	✓	✓	✓	✓	✓
Logo Placement Website	✓ Homepage	✓ Homepage	✓ Support area	✓ Support Area	✓ Support Area

**Financial and in-kind benefits are calculated differently.  
We would be happy to discuss the exact classification in person.**

# WE THANK



**BOSCH**

**SIEMENS**



*CNC-Factory.at*



Internationales Wiener  
Motorensymposium

**LOCTITE**

**ROTREX™**

**SCHIEK**  
Member of the ZULTNER Group



**Nidec**





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RACING TEAM