

SPONSORING HANDBOOK



SEASON 2023-2024



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WHO ARE WE?

The Bern Racing Team is a students association which supports the students of the Bern University of Applied Sciences participating in the Formula Student competitions. The Bern Racing Team was founded in 2022 and is currently managed by alumnis which have participated in previous seasons as well as the Head of the Automotive department who represents the school in this project.

The association guides the active team to improve each year.

The current team consists of 50 Bachelor and Master students from the field of Electronic, Automotive, Mechatronic, Management, Computer science and Mechanical Engineering.

During this wonderful projects, students imagine, design and build an electric formula-style race car in just one year to compete in the world's biggest student engineering competition, the Formula Student.

WHAT DO YOU GAIN?



GAËTAN MONTAVON
CEO 22-23

“My time in Formula Student has taught me invaluable skills as the project puts each student in real professional situations.

Managing this highly motivated team of young engineers has helped me to grow while feeding my passion for motorsport.”



JEREMY BRUGGER
Team Leader Suspension 22-23

“ Simply the best experience you can get during your studies, from a technical perspective as well as human point of view.

The competition in Summer brings unforgettable memories and the occasion to compete against the best universities.”





FORMULA STUDENT

The Formula Student competition was founded in 1981 and since then, students from all around the world gather in events where they compete against each other with their self-developed race cars.

This is simply the biggest engineering competition in the world, having around 650 different teams worldwide.

The Events mostly take place in Europe, even having our own event here in Switzerland !

Each year, we build a race car which takes place in that competition, and we race it during the summer against the world's best teams!





EVENT RESULTS

The 22/23 season was, by a huge margin, our best season to date. Thanks to a combination of determination, technical expertise, and outstanding performance, we passed all the technical tests and performed extremely well in the dynamic events.

Our journey began on our home soil, in Switzerland, where we claimed our first podium finish with an impressive 3rd place overall. Carried by this success, we continued our momentum in Italy, achieving a solid 9th place in the business plan.

The success continued in Czech Republic, where we scored a brilliant 3rd place in Efficiency and an excellent 5th place out of 37 in the overall standings. This triumphant series reached its climax in Croatia, at the endurance event, where we could drive at full power for the first time in said event. This experience enabled us to take an honorable 9th place out of 36 in the overall standings.

These results testify our commitment to continuous learning and improvement. The positive feedback we have received, and the invaluable experience gained from these events reinforce our determination to develop an even better car for the 23/24 season.



PROCESS OF THE CAR



Season Review

We thoroughly assess each aspect of the vehicle, drawing upon the knowledge acquired from the previous season. This enables us to pinpoint all the areas of concern that require enhancement.

Designing

Once the objectives are determined, we design the components to improve on past iterations. Through innovation and hardworking, we ensure the new version of the car is the best it can be.



Fundraising

This step holds immense importance in the project. We reach out to potential sponsors, presenting them exciting and enticing prospects of our project and work on the fundraising. Thanks to the support of our wonderful sponsors, we can build the car of our dreams.



Manufacturing

The parts are now fully designed, we need to build the car! We depend on the collaboration with numerous companies for the production of our components. We build, assemble and manufacture our car to meet the highest standards. Industries also benefit from the contact we keep with them

Unveiling

After working tirelessly on the car, we can finally present it at the 'Rollout' event. This event fills us with joy, and we are very proud to finally show the car to everybody.



Testing

Finally, the car is brought to life, and we can now test its performances. We gain valuable insights from our driver feedback and thus, we guarantee vehicle optimization for the events taking place in the summer

GOALS



Over the last two years, the Bern Racing Team has built up a wealth of experience. Our aim now is to capitalize on this knowledge to take the performance of our car and our team to new heights.

On the technical side, having reached a crucial stage in getting our car up and running reliably, we are now able to concentrate even more on performance. We'll be working on several fronts, including weight reduction, improved cooling for components such as the brakes and battery, and optimized aerodynamics.

We will continue to call on our former members whose experience has been invaluable to our project. Their expertise will continue to enrich our team and contribute to our success.

Our ultimate goal is to maintain the reliability of our car while improving its key points. We are determined that our vehicle will be competitive and reliable.

NEXT CAR SPECS



- 0 – 100 km/h in 3s
- 240 kg
- 4 Wheel Drive
- Improved Aerodynamics package
- 140 kW – restricted to 80 kW
- Self-made Accumulator
- Lightweight powertrain using wheel hub motors



NEBULA
E27
BERN UAS

ma't
RECHWÄLER

autobau
RECHWÄLER

4





Standard 8856-2000
RS. 243.13
OMP racing
Year of manufacture: 2015

BFS
Bern Formula student

OMP

WHERE DO WE COME FROM?

The Bern University of Applied Sciences has been involved in building Formula Student cars since 2014. The project started under the Bern Formula Student name.

Over the course of the past few years, the team has had more than 150 students working fearlessly for it and has built 7 cars from the ground up.

Since 2022, there has been an association change and thus, we are now known as the Bern Racing Team.



OUR MISSION

Our goal is not only to build a race car, and fulfil our dream, but to also form our student engineers for their future.

By taking part in such a project, future engineers gain practical knowledge next to their studies. Each member thus gains unvaluable experience and can develop his personal skills at the same time.

Through this project, we learn to manage a real case project, deal with problems to better anticipate them in the future, and more importantly, we learn how to work in a team. Our members are all passionate about their work and love working in such a project.

Teamwork is, for us, one of the main aspects of our team and we promote it within the team fully.

Each year, we also improve the knowledge transfer from season to season to get the most out of the previous vehicles. Each iteration of our car is an amelioration of its predecessor.

Gerster |



Berner Fachhochschule
Haute école spécialisée bernoise
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WHY SUPPORT US?

"A STRAIGHT WAY TO COME IN TOUCH WITH YOUNG AND PASSIONATE FUTURE ENGINEERS".

Prof. Peter Affolter – Head of Automotive Engineering

Berner Fachhochschule

Main sponsor

SPONSORS 2023

We are extremely grateful for our sponsors!

Such a project as Formula Student demands substantial financial and material backing. Without sponsors, the construction of a race car, such as ours, and participation in various events would remain impossible.

Therefore, we wish to express our heartfelt gratitude to all the sponsors for their huge support during the project.

Their substantial contributions play a pivotal role in our achievements!

Main Sponsors



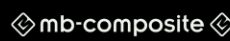
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NEBULA

E37

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