

# NEWSLETTER



## TOPICS:

### >01 LATEST NEWS

Current topics as well as past and future events.

### >02 NEW ARRIVALS IN THE GARAGE

Brief presentation of the components that arrived in the garage during the last two months.

## UP-TO-DATE WITH RACETECH

Dear sponsors, friends and supporters,

we would like to thank you very much for your support throughout the last year. We are very happy to keep on working with on the second part of the season RT14.

On 29th of September 2020, our annual general meeting took place. Current matters were discussed and the cash report was presented. Furthermore, Lara Windler was elected as the first chairman, Clarissa Werner as the treasurer and Juel Cassou as the second chairman.

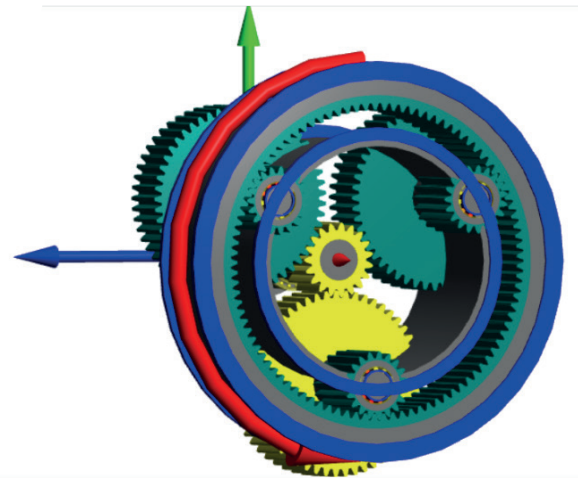
Sincerely Racetech Racing Team

# > 01 LATEST NEWS

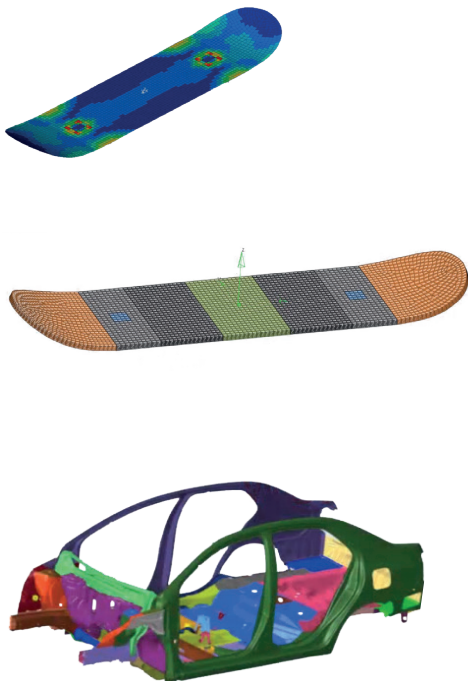
## EVENTS 2021

On 5th February 2021 we took part in the annual event registration quizzes of the European competitions. Due to our position on the FS Electric world ranking list and our rank at the FS-Online, we were already pre-registered for two of the three events we aimed at competing at. Partly, we still had to answer questions about the rules, handbooks and technical problems to gain a good position at the technical inspection and to choose our car number. During the quiz of the FS Germany technical problems occurred and so it had to be taken again one week later. We are very happy to announce that we'll participate at the FSN in Assen, the FSA in Spielberg and the FSG in Hockenheim in summer. We hope that it will be possible to hold the events under safe circumstances this year. We will keep you informed!

Author: Peter Schiffke



GWJ e-Assistent Systemmanager



Examples of the workshop

## CALENDER FOR NEW LIPO-SPONSORSHIPS

The accumulator is the centrepiece of our racing car. It consists of 284 lithium polymer cells (Li-Po), which are assorted in so-called stacks in order to provide the energy for our car. 142 cells are interconnected as a series circuit and 2 as parallel cells.

Become a sponsor for one or more of those accumulator cells of the RT14 now and get a Racetech-calendar with sceneries in Freiberg for 2021 for free!

By offering this LiPo partnership we want to give you the opportunity to be a part of the project with a small effort of 30 € per cell and support us in building our first all-wheel-drive race car.

Every LiPo sponsor's name will be on the accumulator container to show our gratefulness.

For more information, visit <https://racetech-racingteam.de/en/lipo-sponsorship-en/>

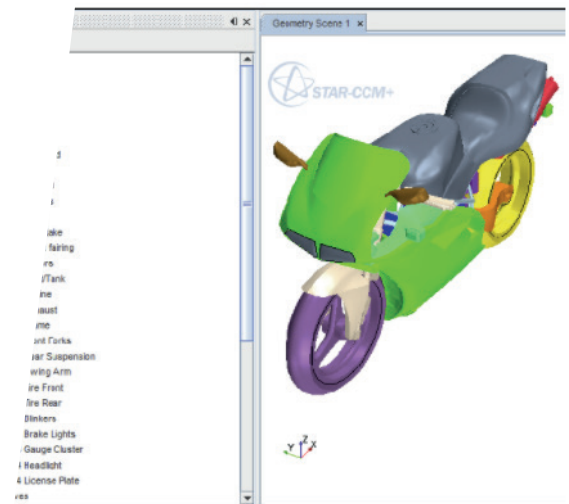
Author: Tobias Bokeloh

# > 01 LATEST NEWS

## SIEMENS WORKSHOPS

Like in the past years, Siemens arranged workshops about their software used in the Formula Student. These are for example Siemens Star-CCM+ and Teamcenter Product Costing. The online training sessions were spread on a few days and were very informative with the help of interactive parts. Our Aerodynamics subdivision already uses the simulation software Star-CCM+ for many years and has done projects with the team at Siemens beyond the workshops. This helps us to develop and learn as well as our sponsor through application reports. We would like to thank Siemens once again for the great cooperation and the workshops.

Author: Lara Windler



Example of a task using Star-CCM+

## FSG WORKSHOPS

In late 2020, the team at FS Germany decided to start an online workshop series about different Formula Student related topics like autonomous driving and simulations. This was decided due to the fact that only virtual workshops are possible during the pandemic and to give the teams a chance to develop even then they can't be working in their workshops. Experts from various companies as well as FS teams and experts present and explain interesting topics and answer questions. Also, the team of the FSG presents certain topics, especially ones directly related to the rules and rules changes as well as developments in for example event preparations. We would like to thank the FSG and all the other events for their commitment!



FSG logo

Author: Lara Windler



# > 01 LATEST NEWS

## SPONSORS' RACE DAYS 2020

From the 16th to the 18th of September we organised our yearly sponsors' race days in Freital. Beforehand we planned a hygiene concept according to the applying corona regulations at that time. Our sponsors had the opportunity to become a racing driver and get on track with one of our four electric prototypes which are still in use. After a lot of rain on Friday, we were blessed with good weather on the following days. Together with our sponsors, we looked back at the unusual season and talked about the RT14 which is now built over two years. It was a nice long weekend. Thanks to everyone who took part and a special thanks to the BGH Edelstahlwerke for providing us with the testing area.

Author: Clarissa Werner

RT10 to RT13 (from top to bottom)





## NEW ARRIVALS IN THE WORKSHOP

*Thank you to all our sponsors who make these components possible for us!*



We use a casted two-part housing for the bearing of the steering transmission. It keeps it safe from dirt and provides precise attachment points to the monocoque.

It was manufactured by the GHM through sand casting and finished by Konnerth & Co. GbR.

### STEERING SYSTEM HOUSING

*Author: Simon Karschner*

To exactly determine the position and rotational speed of our motor, a resolver is placed at the end of the motor shaft. It is fixed on the motor housing with a housing made of aluminium which also keeps it safe from dirt and humidity. Thanks to Gebrüder Ficker Formenbau for the manufacturing of our resolver covers.

*Author: Simon Karschner*



### COVER FOR THE RESOLVER

THANK YOU FOR YOUR SUPPORT!

# OUR SUPPORTERS



AM METALS



THANK YOU FOR YOUR SUPPORT!





# RACETECH RACING TEAM



*L. Windler*

**TEAM LEADER - CEO**

LARA WINDLER

**TREASURER - CFO**

CLARISSA WERNER

*C. Werner*



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