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E-Fuel of the CAC: Again at the 24h-Race-Nürburgring

Chemnitz/Nürburgring, 17.05.2023: Griesemann Group starts with 100 percent synthetic fuel at the 24-hour race - up to 90% less CO2 emissions

For the second time, a racing team will be running on climate-friendly, synthetically produced gasoline based on a technology developed by Chemieanlagenbau Chemnitz (CAC). For this purpose, the Teichmann Racing (TR) Toyota GR Supra GT4 of the Griesemann Group will compete with the 100 percent synthetic fuel in this year's 24-hour race at the Nürburgring from May 18 to 21, 2023.

Nürburgring expert and professional racing driver Dirk Adorf (Michelbach), YouTube star Felix von der Laden (Lübeck) and the brothers Björn Griesemann (Cologne) and Georg Griesemann (Bornheim) will be using the synthetic mixture of green hydrogen and carbon dioxide at the start of one of the toughest endurance races in the world. They will be driving a new Toyota GR Supra GT4 EVO entered by Teichmann Racing in the "AT" class for alternative fuels. Cologne-based Toyota Gazoo Racing Europe, which has already successfully competed with e-fuel in 2022, is also actively supporting the project.

Synthetic gasoline from the DeCarTrans research project will be used in the race. The German Federal Ministry of Transport, Innovation and Technology, together with partners including the companies CAC and Nordoel, is taking a path toward defossilization. They are providing the optimized synthetic fuel Racing e-fuel 98 for the race, which is based on CAC's manufacturing process and was developed with many years of cooperation with the TU Bergakademie Freiberg. In numerous engine, fleet and practical tests of well-known vehicle manufacturers as well as at the 24h race at the Nürburgring 2022, it was proven that both the synthetic fuel is of high quality and the process is ready for the market and can be scaled up to industrial standards at any time. Further political decisions are currently required to provide the necessary investment security for implementation. "Following our successful 3rd place in the alternative fuels category last year, we are delighted to be supporting motorsport again this year with a climate-neutral fuel alternative. In its function as a technology transfer, motorsport can help bring the benefits of our sustainable technology from the race track to the road, says Jörg Engelmann, Managing Director of CAC.

Both Griesemann brothers from the Rhineland are convinced by the project: "E-fuels are a building block of climate-neutral mobility and can already be used in almost all forms of mobility with little conversion effort. For us, it is very important to find a good balance between climate protection

and mobility, and we currently see e-fuels in pole position in this respect," says Georg Griesemann. This synthetic gasoline, which is already REACH-certified, is produced by Chemieanlagenbau Chemnitz GmbH (CAC) in cooperation with the TU Bergakademie Freiberg. Here, the Technical University operates Europe's largest demonstration plant with a theoretical production capacity of one million liters per year. Starting with methanol, which can be produced from CO₂ and "green" hydrogen or from bio-methanol, CAC has developed the patented process, which requires no fossil raw materials. Currently, the DeCarTrans project aims to produce 380,000 liters of synthetic gasoline by 2026, which will then be made available to project partners for fuel testing as well as extensive automotive testing.

Chemieanlagenbau Chemnitz GmbH

Reliable, experienced and approachable, CAC is an internationally leading plant engineering company in the field of process and chemical engineering. In the business fields of Chlor Alkali, (Green) Power to X, Hydrocarbon and chemical solutions CAC offers the entire range of services of an engineering and plant construction company. This begins with the development of a concept, continues through the planning stage and turnkey construction to the point of commissioning of complex plant and plant units – in close cooperation with the customer at all times. With around 400 employees, 270 at the headquarters in Chemnitz, CAC has constructed over 500 industrial plants worldwide in the course of over 55 years. More information about Chemieanlagenbau Chemnitz GmbH can be found at: www.cac-chem.de
[HUGO PETERSEN GmbH](http://www.hugopeteresen.de) is the world's largest technology provider for sulphuric and hydraulic acid production as well as gas cleaning processes, it has been part of the CAC Group of Companies since 2005. In 2006 the engineering company [BiProTech Sp. z.o. o.](http://www.birotech.com) was added as a second subsidiary.

Press note:

1st press event on 25.05.2023: Large-scale test plant for e-fuels produces first 15,000 liters in continuous test operation / Federal Minister for Digital Affairs and Transport Wissing and Minister President Kretschmer inform themselves on site

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2. topic-related images and the press release can be found at <https://storage.cac-chem.de/s/Pfi5j429fbzf2FB>

E-Fuel of the CAC with Griesemann Group again at the 24h-Race-Nürburgring - up to 90% less CO2 emissions - Photo: © Griesemann Group



The DeCarTrans project is funded with a total of 14,932,696.11 euros by the Federal Ministry of Digital Affairs and Transport as part of the overall concept of renewable fuels. The funding guideline for the development of renewable fuels is coordinated by NOW GmbH and implemented by the project management agencies VDI/VDE Innovation + Technik GmbH and Fachagentur Nachhaltende Rohstoffe e. V..



FUNDING PROGRAMME
**RENEWABLE
FUELS**

Funded by:



Federal Ministry
for Digital
and Transport

on the basis of a decision
by the German Bundestag

Coordinated by:



N O W - G M B H . D E

Project management agency:

