

ETAS GmbH

Borsigstraße 14
70469 Stuttgart, Germany
Phone +49 711 3423-2240Press and Public Relations:
Anja Krahlanja.krahl@etas.com
www.etas.com

Press Release

First place at Formula Student Germany for ETAS-sponsored AMZ Racing

- ETAS sponsors global Formula Student frontrunners: AMZ Racing from Zurich with the winning electric vehicle and the University of Stuttgart's race team with the winning combustion vehicle
- ETAS is a main sponsor for the Formula Student Germany competition at the Hockenheimring, sponsoring a total of 23 race teams

Stuttgart, August 2014 – With hardware and software supplied by ETAS, ETH Zurich's team AMZ Racing has won the Formula Student competition at the Hockenheimring. Following a convincing performance, the team once again took first place in the world electric race car rankings. "We're extremely proud of the team and congratulate them on their fine victory in the biggest and most important Formula Student competition in the world. What the young engineers from all of the teams achieve is quite exceptional, and earns my greatest respect," says Chris White, member of the ETAS Executive Board of Management with responsibility for sales, in praise of all participants. ETAS' ES910 Prototyping and Interface Module, which was employed here for the first time, played a major part in the success of AMZ Racing.

This was the third time that ETAS has been a main sponsor of Formula Student Germany, which was held at the Hockenheimring from July 29 to August 3, 2014. Since 2012, the number of teams sponsored by ETAS has grown from 13 to 23 – a significant increase.

ETAS sponsors teams from Germany, Austria, and Switzerland, supporting them with hardware and software for developing ECUs and tests. Philipp Föhn, mechanical engineering student at ETH Zurich, was searching for an ECU as his team prepared ahead of the competition and quickly found what he needed at ETAS. The team subsequently developed their own more lightweight housing for the ES910 module to save weight in the vehicle. Software developed with the help of MATLAB and Simulink was incorporated into the ES910 module using the INTECRIO Integrated Prototyping Environment.

Föhn, who is responsible for vehicle electronics, talks enthusiastically about the user-friendliness of INTECRIO: "The system is a definite improvement on last year performance-wise, since we can now check and control the vehicle faster. Then there's the advantage of real-time measurement, which means we can make much more efficient use of our testing time." He also values the personal support provided by ETAS, saying: "University liaison Peter Dencker proved invaluable working alongside us to find the right solution."

The University of Stuttgart race team, constructors of the world's best Formula Student combustion vehicle, rely almost exclusively on ETAS measuring tools at their test bench. INCA, the measurement, calibration, and diagnostic software, helps make adjustments to the engine during the race in order to boost performance. "Now that all our measurement technology is tied into INCA, we have been able to substitute three different computer systems – and that's a huge advantage. Data is analyzed using the Measure Data Analyzer (MDA)," says Tayyar Kara, a mechanical engineering student at the University of Stuttgart. KA-RaceIng from the Karlsruhe Institute of Technology also uses ETAS modules "because they are easy to install and compatible with other products," says mechatronics student Denis Ehrlich. "You can't go wrong using the complete 'blue line' of ETAS products at the test bench."

Participating teams, made up of students who are typically in their early twenties, have to develop, design, and build a complete vehicle within the space of one year. The competition rewards those who can ally technical and practical expertise with a strong sense of team spirit.

ETAS also supported its sponsored teams as they prepared for the race at the testing workshop, which took place at the Boxberg proving ground in cooperation with Bosch.

ETAS' involvement in Formula Student has already helped it to recruit highly qualified young engineers. The company is delighted to see the success the teams it sponsors have enjoyed at the Hockenheimring and intends to continue its sponsorship activities in 2015.

ETAS GmbH

ETAS provides innovative solutions for the development of embedded systems for the automotive industry and other sectors of the embedded industry. As a systems provider, ETAS supplies a multifaceted portfolio that covers the range from integrated tools and tool solutions to engineering services, consulting, training, and support. Security solutions in the area of embedded systems are offered by the ETAS subsidiary ESCRYPT. Established in 1994, ETAS GmbH is a 100-percent subsidiary of the Bosch Group, with international subsidiaries and sales offices in 13 countries in Europe, North and South America, and Asia.

For more information, please visit www.etas.com

Pictures:



The overall winner of FSG and global frontrunner AMZ Racing from Zurich at the ETAS booth.



Ka-RaceIng from Karlsruhe on the racetrack.