

## Media Release

### Kistler's Correvit® SFII sensor measures world record

**Winterthur, 1 July 2016** – The Academic Motorsports Club Zurich (AMZ) was founded by students at the Swiss Federal Institute of Technology (ETH) Zurich back in 2006. Once again this year, the club successfully staged its Formula Student Project and broke the official Guinness world record for the fastest acceleration from 0 to 100 km/h by an electric vehicle. The Kistler sensor Type Correvit® SFII measured the point when the magical 100 km/h-mark was reached.

#### **From 0 to 100 km/h in less than two seconds**

1.513 seconds: never before has an electric racing car managed to accelerate faster from 0 to 100 km/h. The old world record of 1.779 seconds, set up by a Formula student racing team from Stuttgart, Germany, stood until 22 June 2016. The same record was beaten at the first attempt on a 120-meter track laid out at Dübendorf aerodrome in Switzerland. 'grimsel', the Swiss electric racing car, attained a speed of 100 km/h after traveling only 30 meters. The Kistler Correvit® SFII sensor played a key part in setting the new world record by registering the point when the magical 100 km/h mark was reached.

#### **A Reliable Partner from the start**

Precise measurement data is crucial for an attempt on a world record, when thousandths of a second make the difference between victory or defeat. With over 50 years' experience of measurements in the extreme range, Kistler has been a strong partner for the Academic Motorsports Club Zurich from day one, as the club's vice-president Jonas Abeken notes: "Kistler has supported us already for the fourth season and has become a firmly established factor to our successes. When we started planning for the world record attempt, it was clear from the beginning that we wanted to use the Correvit® SFII sensor again to ensure efficient control and, of course, to perform the official time measurement. So we were delighted when Kistler offered us their wholehearted support."

#### **The Pioneering Spirit Lives On**

Projects such as breaking the record for the fastest 0-100 km/h acceleration by an electric vehicle call for courage, innovative endeavor and determination to push the existing limits. As a global innovation driver headquartered in Switzerland, Kistler is especially pleased to see that the Swiss pioneering spirit lives on – and the company is delighted that its high-caliber sensors can play an active part by continuing to foster it. By delivering measurement solutions that make advances possible in research and development, Kistler paves the way for the mobility of the future.

Follow this [link \(https://www.youtube.com/watch?v=n2XiCYA3C9s&feature=youtu.be\)](https://www.youtube.com/watch?v=n2XiCYA3C9s&feature=youtu.be) to watch the video of the AMZ's world record attempt – and you'll understand how quickly 1.513 seconds actually pass!

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Picture caption 1: 'grimseil', the Swiss electric racing car with the world record team

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**About the Kistler Group**

Kistler, the originator of piezoelectric measuring technology, is the global leader in dynamic pressure, force, torque and acceleration measurement. Cutting-edge technologies provide the basis for Kistler's modular systems and services.

Customers in industry, research and development benefit from Kistler's experience as a development partner, enabling them to optimize their products and processes so as to secure sustainable competitive edge. This owner-managed Swiss corporation plays a key part in the evolution of automobile production and industrial automation, and its innovative sensor technology also helps foster the development of many newly emerging sectors. Drawing on its extensive application expertise, and always with an absolute commitment to quality, Kistler drives innovations ahead in lightweight construction, vehicle safety, emission reduction and Industry 4.0.

Some 1,500 employees at 56 facilities across the globe are dedicated to the development of new measurement solutions, and they offer individual application-specific support at the local level. Ever since it was founded in 1959, the Kistler Group has grown hand-in-hand with its customers and in 2015, it posted sales of CHF 329 million. About 10% of this figure is reinvested in innovation and research – with the aim of delivering better results for every customer.

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