

## Press Release

Electric racing car breaks world record

# From 0 to 100 in 1.513 seconds

Zurich, 22 June 2016

The *grimsel* electric racing car broke the world record for acceleration by an electric car today. The vehicle accelerated from 0 to 100 km/h in 1.513 seconds over a distance of less than 30 m. The record-breaking car was developed by students at ETH Zurich and Lucerne University of Applied Sciences and Arts.

The Formula Student team at the Academic Motorsports Club Zurich (AMZ) accomplished its mission today: the *grimsel* electric racing car accelerated from 0 to 100 km/h in just 1.513 seconds and set a new world record. It reached the speed after covering less than 30 m of track at the Dübendorf air base near Zurich. The previous world record stood at 1.779 seconds and was set last year by a team at the University of Stuttgart.

The record-breaking Formula Student electric car was developed and built in less than a year by a team of 30 students at ETH Zurich and Lucerne University of Applied Sciences and Arts. *grimsel* is AMZ's fifth electric vehicle and sets new standards in lightweight construction and electric drive technology. Thanks to the use of carbon-fibre materials, *grimsel* weighs just 168 kg. The four-wheel drive electric racing car has four specially developed wheel hub motors that are capable of generating 200 hp and 1700 Nm of torque. A sophisticated traction control system regulates the performance of each wheel individually, allowing the car's acceleration to be increased even further. No large-scale production car – even one with a combustion engine – can reach an acceleration comparable to the *grimsel*.

### **AMZ's most successful vehicle**

*grimsel* celebrated considerable success in the international Formula Student competition back in the summer of 2014. With over 500 teams competing, Formula Student is the largest competition worldwide for engineering students and takes place every year on race courses around the world. With three overall victories and a points average of 920 out of a possible 1000, *grimsel* is AMZ's most successful vehicle. The success of the *grimsel* also contributed to AMZ's first place defence in the Formula Student world rankings, which they have held since 2013.

[www.amzracing.ch](http://www.amzracing.ch) →

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## Academic Motorsports Club Zurich

The Academic Motorsports Club Zurich (AMZ) was founded in 2006 by students at ETH Zurich and develops a prototype for the Formula Student European competitions every year. After working on three vehicles with combustion engines, AMZ began building electrically powered racing cars in 2010. The club is financially independent and receives financial, manufacturing and material support from a range of sponsors, as well as institutes at various Swiss universities. AMZ was Switzerland's first Formula Student team. Further information can be found at [www.amzracing.ch](http://www.amzracing.ch)