# **Tajima teams up with Rimac for Pikes Peak 2015**

June 1, 2015

**Zagreb, May 2015. – Team APEV with MONSTER SPORT, led by the racing legend Nobuhiro “Monster” Tajima, teamed up with Rimac Automobili.**

**As a result, 2015 Pikes Peak International Hill Climb Race will have a new 1.1 MW beast at the starting line, the Tajima Rimac E-Runner Concept\_One.**

Rimac Automobili are once again showing their vigorous racing DNA taking the challenge in one of the most prestigious races in the world. Mr. Tajima’s decades long experience in racing and Rimac Automobili’s state of the art technology and know-how brought to life a staggering creation, the Tajima Rimac E-Runner Concept\_One. It is powered by four independent electric motors, giving the car a total power of over 1,1 MW (1,475 HP). That is more than twice the power Mr. Tajima had in his 2014 car when he broke his own Pikes Peak record, stopping the clock at 9:43,90.

There are no gearboxes or differentials on this car. The power of each independent motor is transferred to each wheel by an innovative chain drive system developed specifically for this project, which saves a lot of weight and space. Embracing the Rimac Automobili technology, the Tajima Rimac E-Runner Concept\_One features an adapted racing version of the Rimac All Wheel Torque Vectoring system, first implemented in the Rimac Concept\_One. The Rimac AWTV controls the torque of each motor 100 times a second. The system can vary the torque on each wheel depending on the steering angle, speed, longitudinal and lateral forces, yaw-rates and number of other variables. The ECU runs the collected sensor-data through complex mathematical algorithms which calculate the optimum torque distribution on a millisecond-level. This enables the vehicle to take full advantage of the tires, squeezing the maximum out of their potential and giving the driver the desired vehicle dynamics at any given moment. Mr Tajima will thus have both the 1,1 MW of power and maximum grip in each of the Pikes Peak’s 156 corners.

*“We measured 0-100 km/h in 2,2 seconds. 200 km/h comes in 5,4 seconds from a standstill. Cornering forces and stopping numbers are also impressive, but let’s not spoil the surprise. We are quite confident that Tajima Rimac E-Runner Concept\_One will break previous year’s record. He is a great driver with tons of experience. Interesting fact – he raced Pikes Peak his first time a year before I was born. 28 years later, we work alongside to push the limits further. With the support of our best engineers and technicians, our technology, powertrain, battery-system and Torque Vectoring, he will be able to push the boundaries of electric race cars to a whole new level. Working with Mr. Tajima and his team is an amazing experience of which we enjoy every second.”*

**Mate Rimac**
Founder and President of the Rimac Group, CEO Bugatti Rimac and Rimac Technology

The Pikes Peak hill climb is 19,9 km long and ends up at 4,301 m above sea level. Petrol engines have oxygen starvation problem at that altitude – the power of the engine decreases over 40 percent. However, electric motors don’t use oxygen, so Mr. Tajima will have the full power of all four electric motors available from start until the finish line.

**Pikes Peak race**

The Pikes Peak International Hill Climb race in Colorado has taken place since 1916. On average it features around 130 competitors from all over the world. This year the event is starting with practice sessions on Tuesday, June 23rd, culminating on race day, Sunday June 28th.
The track is 19,99 km (12,42 miles) long, has 156 turns climbing 1,440 m (4,720 ft) from the start at Mile7 of the Pikes Peak Highway, to the finish at 4,300 m (14,110 ft).

**Tajima Rimac E-Runner Concept\_One**

**Technical data:**

* All-wheel drive
* Four independent Rimac permanent magnet electric motors
* Rimac All Wheel Torque Vectoring
* Maximum power: 1100 kW
* Maximum torque: 1500 Nm
* Maximum regenerative braking: 400 kW
* 57 kWh Rimac Automobili battery pack
* Four chain driven single reduction Rimac transmission systems
* Monster Sport aluminum alloy tubular space frame with carbon-fiber body
* Electrically assisted power steering
* Adjustable shock absorbers
* Ventilated brake discs Ø370 mm front and rear + Rimac regenerative braking system
* 340/710 R18 slick tyres / 13” × 18” wheels
* Kerb weight: 1500 kg
* 0-100 km/h 2,2 s
* Top speed: 270 km/h