

Zero Emission Racing kart powered by Triphase NV Technology



[Triphase](#), a spin-off company of the University of Leuven, active in the development of new power conversion systems have technically supported the “[Zero Emission Racing Team](#)”, a group of engineering students who have developed a racing kart running exclusively on hydrogen. This kart takes part in the “[Formula Zero Championship, Student Edition 2008-2009](#)” in Rotterdam.

“Formula Zero” is the first international championship for hydrogen fuel cell vehicles. The race class will initially consist of karts but the aim is to scale it up to a full size racing class in the course of the next few years. The championship will kick off in Rotterdam on August 22nd and 23rd, followed by other locations around the globe.

The kart the Group T team has assembled weighs less than 185 kilograms, is able to run up to a speed of 100 km/h in four seconds and has a top speed of 120 km/h.

Triphase only joined the project in April 2008. “Thanks to Triphase unique prototyping technology, the complete power train was developed in a record time. We go for the best partners and the latest state of the art technology that hopefully will bring us gold” says a confident [Saphir Said](#), Team leader of the project!

As government funding initiatives are accelerating the development of clean transportation, Triphase technology provides the necessary tools to develop these complex electrical systems.

Triphase, is private Belgian owned company that provides solutions for the fast realization of complex, high-performance power electronics applications with main focus on the development of new drive trains for automotive applications.