

iLUMEN EUROPEAN SOLAR CHALLENGE

The iLumen European Solar Challenge will take place from September 23 to 25, 2016 at the former Formula 1 race track of Zolder in Belgium. The iESC is a competition on solar-powered electric vehicles. The top European Teams of this scene will have the chance to compete in 3 different disciplines on the European continent. The driving energy is exclusively taken from the solar collectors mounted on the vehicle. The worldwide successful and famous SolarCar Events (Australia, USA and Japan ...) are often referred to as "Brain-Sport". Compared to normal racing series, here the strategy with all its parameters considered has a much higher impact. These include for example budgeting with the energy of the sun, wind direction, road condition and elevation changes.

Testbed for the world solar challenge 2017

The iLumen European Solar Challenge is the perfect testbed for the next edition of the World Solar Challenge, world's most famous race for solar-powered electric vehicles, which will take place in Australia in October 2017. The participating teams aim to be the first to arrive in Adelaide after a race of more than 3.000 km departing from Darwin.



Did you know ...



...Speeds over 140 km/h are no problem



1000 km

...they can reach with only the energy of the sun, ranges of more than 1000 km



700 km

... without sun, ranges of 700 km are possible with a battery capacity of 15 kWh



... the consumption of such vehicles at 70 km/h is about the same as a hairdryer

... regenerative braking systems are used to minimize loss of energy



...in the recent past most of the cars were built for competitive purposes but today there is an upcoming trend for Solarcars that are suitable for daily use.



New teams get the chance to feel the solar challenge experience

At the iESC in Zolder, teams that will participate in the World Solar Challenge of 2017 have the unique opportunity to get used to driving a solar-powered electric vehicle in racing conditions. Meanwhile they can gain ideas and identify areas for improvement that could be useful for building their own car. But most important, the participants can enjoy the great atmosphere that is typical for solar car challenges.



The track of Zolder

The former Formula 1 track of Zolder in Belgium possesses a rich history of racing and other events. The track has a length of 4.011 km and offers a lot of challenging corners. Therefore it is loved by many famous race car drivers.



**iLumen
a strong
partner**

iLumen is a Belgian high end product developer and manufacturer of PV systems that possesses an own R&D department. Dedicated engineers work daily to develop and create products that monitor PV systems, help to increase the yield and ease up the maintenance process. iLumen is most famous for its patented PIDbox which increases the yield of solar systems.

Start...



Ready for a great race.



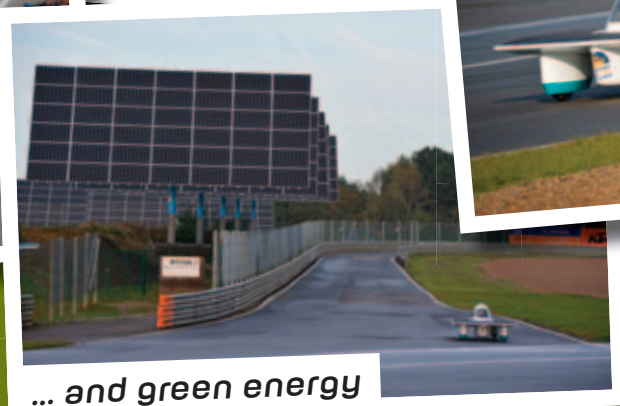
Who will be victorious?



Lots of extras...



... and green energy



iESC

LUMEN EUROPEAN SOLAR CHALLENGE

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Recently, technology has enhanced the possibility to change power sources from fossil fuels to renewable energy, especially in the mobility sector.

Green Technology Events, the organizers of the iESC 2015, is an international, motivated group of people with personal experiences within the electro mobility sector. It is in our interest to extend the public's knowledge on the possibility of combining mobility and sustainable energy to create alternatives for daily use.

The iESC is aimed at creating an exciting event for all Solarcar Teams from around the world. Not only is this a great opportunity to "present" their hard work, but also strengthen the Solarcar community.