

DRIVE THE FUTURE



The
game
is on

iESC

iLUMEN EUROPEAN SOLAR CHALLENGE

21-22-23
september 2018
circuit Zolder



iLUMEN EUROPEAN SOLAR CHALLENGE

The 24 hours iLumen European Solar Challenge will take place from September 21 to 23, 2018 at the former Formula 1 race track of Zolder in Belgium. The iESC is a competition on solar-powered electric vehicles. Top teams from all over the world will have the chance to compete in 6 different disciplines on the European continent. The driving energy is taken from the solar collectors mounted on the vehicle. Further, the teams have two charging stops. 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.

The only 24hours solar race in the world

The iLumen European Solar Challenge is the only 24h solar race in the world and a perfect testbed for the next edition of the World Solar Challenge, which will take place in Australia in October 2019. There are 6 different disciplines to compete in:

- The 24 hour Endurance Race
- The K.O. Chicane
- The Fastest Lap
- The Regularity Test
- The Technical Presentation
- The Safety Challenge



Did you know ...



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



... the iESC is the first 24 hours race ever for solar cars



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

1000 km

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



...the iESC of 2016 was won by Solar Team Twente

700 km

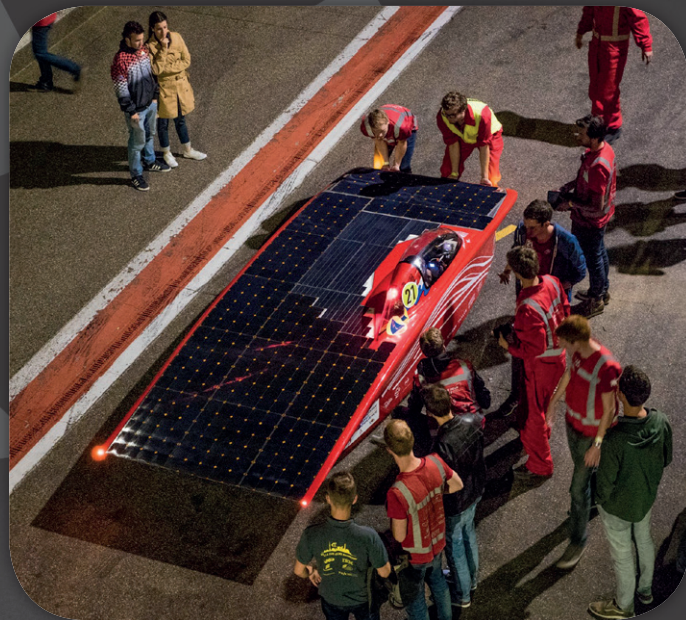
... without sun, ranges of 700 km are possible with a battery capacity of 15 kW/h

...2 Tesla's participated in the iESC 2016 race?



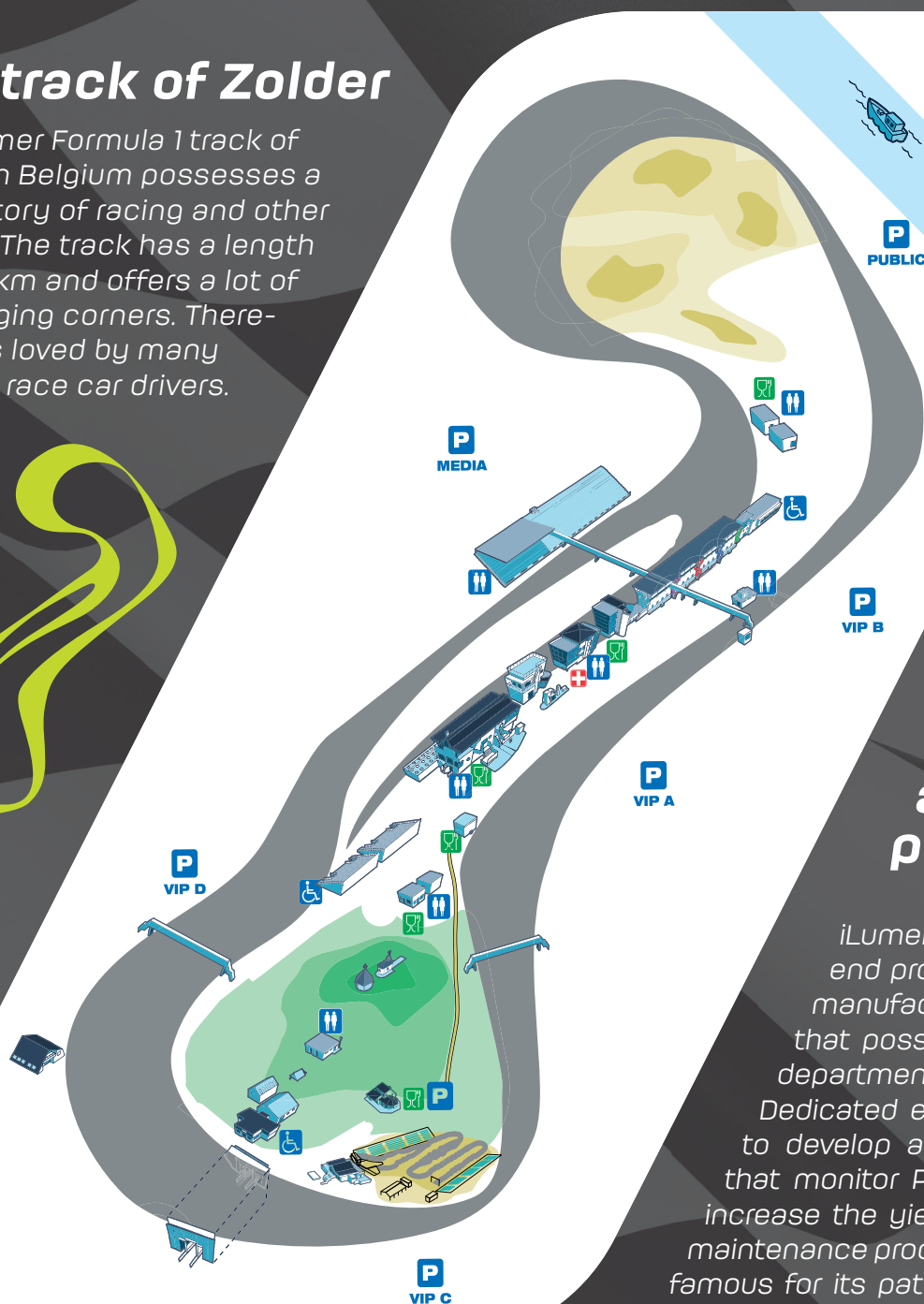
New teams get the chance to feel the solar challenge experience

At the iESC in Zolder, teams that will participate in the World Solar Challenge of 2019 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. Moreover, the team members can join a Q&A session organized by WSC Officials.



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

iLUMEN EUROPEAN SOLAR CHALLENGE

Green Technology Events ^{VZW}

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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.