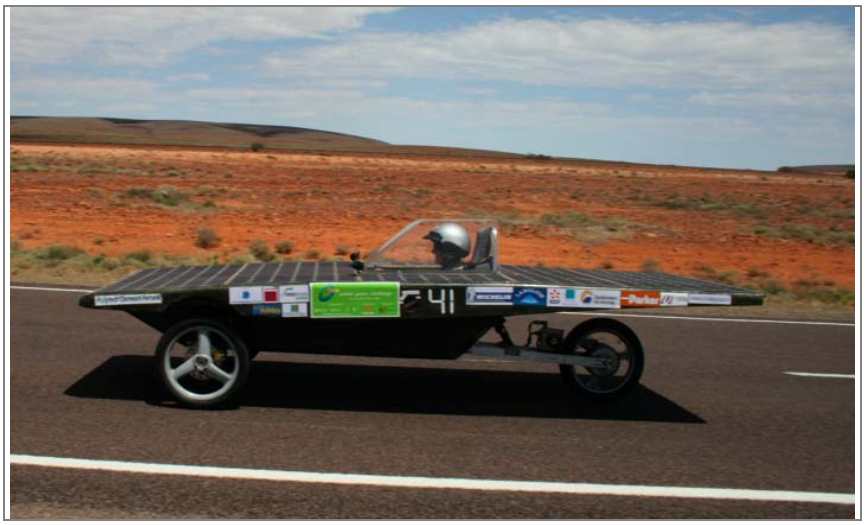
Design Win
SSDE004GB

SOLAR-POWERED CAR

Problem

Promoting renewable energy, students of physical engineering at Polytech Clermont-Ferrand worked on this solar car prototype (Bélénos) in order to participating in the 'World Solar Challenge' and travelling 1877 miles across the harsh Australian Outback.
The vehicle must have the smallest weigth/power ratio and the solar cells will supply the drive in continuous current.



Characteristics

The Belenos vehicle is a solar-powered car which can reach 53 miles per hour on the road. The hood of the car is covered by high-efficiency solar cells for an area of almost 54 square feet. The total weight without driver is 396 lbs.

The team is writing on his site :
"*The sun was particulary shinny during all the week, which allowed the team to cross the finishing line on October the 31th after a 3 021 km long trip in the Australian desert.*
Thanks to this great performance, the team was finally ranked #13, over 31 challengers from around the world. For a first participation to this event, Bélénos proved its good reliability."

Read more about this :
http://custsolaire.free.fr/english/

Solution

- High efficiency motor NX630
- 637 drive powered by continuous voltage.
- Highly experienced Parker SSD team provides standard and customize solutions.

Contact

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FEATURED PRODUCTS	**NX630 motor, 637 drive**
MARKET	**Renewable energy**

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