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The 2007 European Shell Eco-marathon – efficiency at its best

Teams from Denmark, France, the Netherlands and Norway were among the winners at the 2007 Shell Eco-marathon. The range of successful competitors reflects the growing impact of the event, which attracted a record 257 teams from 20 countries. Matthew Bateson, Head of Communication Europe Shell said: “The teams’ impressive results are a great testimony to the growing enthusiasm tomorrow’s engineers are bringing to the challenges of efficient energy consumption and achieving a sustainable future.”

Prototypes

Breaking the 3,000 km barrier, the team from St. Joseph La Joliverie triumphed once again in the prototype competition of the Shell Eco-marathon. The 2006-winning French college led the field with its petrol fuelled internal combustion engine, but the team saved its best performance till the final day. It recorded a result of 3,039 km to beat its nearest competitors, ESTACA Levallois-Perret, France (2701 km) and Tampere University of Technology, Finland (2137 km).

The best result achieved by a hydrogen fuel cell vehicle was by the Ecole Polytechnique Nantes. This French team produced a result of 2797 km to narrowly beat its nearest German rivals, the Hochschule Offenburg, University of Applied Sciences, (2716 km) and the Chemnitz University of Technology (2552 km). This year was also marked by three successful trials using solar-powered vehicles. A competition won by the French Lycée Louis Pasquet.

UrbanConcept

The DTU Roadrunners were two-time winners in the UrbanConcept competition. Not only did the team from the Technical University of Denmark come first in the ‘Internal Combustion Engines’ category, they also won the Climate Friendly UrbanConcept Award. The Danish team’s celebrations were matched by the guys and girls from De Haagse Hogeschool, who took first prize in the hydrogen fuel cell category.

Partners



Technical partner





Special awards

The European Shell Eco-marathon also recognises achievements in design, technical innovation, safety and communication. The undisputed star of the special awards ceremony was the team from the Oestfold University College Halden, Norway. The design of the Oestfold's UrbanConcept vehicle is reminiscent of an early racing car and impressed the judges with its real-life applicability that "could easily go into production". The car was the joint-winner of the SKF Design award with Spanish team IES Alto Nolan Barredos-Asturias and runner-up to Proto 100 IUT GMP Toulouse in the Eco-design Award.

Oestfold's communication strategy was also recognised in winning the Shell Communication Award and its efforts to comply with safety regulations in coming second in the Autosur Safety Award. The winner of the safety award was French college, Roger Claustres, Clermont-Ferrand. Finally, Politecnico Milano won the Bosch Innovation Award. The Italian team impressed judges with the design of its car's centrifugal clutch.

The Adecco Social/Hospitality Award was won by AFORP Drancy, France for its range of entertaining educational activities including an Eco-marathon-inspired game that it passed out to all teams.

"The 2007 Shell Eco-marathon really succeeded in demonstrating real life vehicles designed and delivered by student teams showing the way on how to bring energy, technology and innovation into the future.", concluded Matthew Bateson.

For further information, pictures or additional interesting news on event, please visit www.shell.com/eco-marathon.