

Green Racing Where Clean Cars Finish First

Did you know...

In green racing, speed is a factor, but the overall winner is determined by a formula that also takes the car's environmental footprint into consideration.

Opportunity

The racetrack is a proving ground that often leads to innovations in consumer vehicles. Green racing competitions focus on developing and showcasing advanced propulsion technologies and renewable fuels that could soon appear in the cars we drive every day.

Argonne's Role

Argonne helped develop the formula used to determine the winner of the American Le Mans Series' Green Challenge. This scoring system ranks cars based on such factors as energy efficiency, greenhouse gases emissions and the amount of petroleum consumed. Argonne also helped to organize the inaugural Green Challenge in 2008.

Potential Benefits

Technology developed and used in these green race cars is more likely to find its way into our driveways. As events like the Green Challenge grow in popularity, the consumer demand for green vehicles is also expected to grow.

Industry Partnerships

Argonne, the U.S. Department of Energy, the U.S. Environmental Protection Agency, and the Society of Automotive Engineers worked closely with the American Le Mans Series to establish the Green Challenge.



Race organizers calculated a principal component of each car's score by using Argonne's Greenhouse gas, Regulated Emissions, and Energy use in Transportation (GREET) model.



The General Motors Road Racing Group celebrates their 2008 Green Challenge victory.



General Motors and Porsche were the two winners of the Green Challenge at Road Atlanta on October 4, 2008.



INVENTING THE FUTURE. *efficient. clean. safe.*



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