

PRESS RELEASE

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AMG Systems sponsors Greenpower Car Project

A team of Sixth Former's is designing and building an electric car, aiming to achieve the greatest distance over 90 minutes in Formula 24+.

April 28 2010: When AMG Systems was approached by Peter Dawes and his 15 Sixth Form mates for assistance with their ambitious project of building an electric powered car fit for entering the Formula 24+ category they had no hesitation in sponsoring the team. The car is due to race for 90 minutes on 2 batteries with one charge only and is part of the Greenpower project – which aims to advance education in the subjects of sustainable engineering and technology to young people.

Peter Dawes says, "We're currently into a big push to get the car completed for a test day on 19 May at the Darley Moor Circuit in Derbyshire. We have come a long way since September last year where all we had was a skeleton chassis, the required 24V 240W DC motor and a set of batteries. We had no money, components or designs. The challenge was clear; we had to get this chassis with driver to reach the highest possible cruising speed at a suitable current draw. This meant looking at 6 areas: power transmission, aerodynamics, motor cooling, interior design and telemetry. We set a budget of £ 1000 and had the money by end December 2009, but we discovered that we had a further challenge, as all the engineers we visited agreed upon two things: more than one gear ratio and not to achieve this using Derailleur gears. Hence, we embarked upon designing and making our own gearbox, using mathematical models to work out optimum ratios to win us the race! We have been extremely fortunate with the contacts that we have in industry and we'd especially like to thank AMG for the support they have given us in sponsoring the electronic speed controller components. Without their help we would not have a working regenerative speed controller and would be without a lot of design advice".

Founder and MD of AMG Systems Dr. Alan Hayes says, "As an engineering company we were extremely impressed with the target this ambitious team has set and it has been a pleasure to watch their progress. We're all really excited by what they have achieved so far and cross our fingers that they will make it to the top of the podium in October".

The Formula 24+ is an exciting Formula, aimed at those in further education aged 16-25 years. Seven championship rounds of 90 minutes are held at major motor circuits for Formula 24 + cars during June, July and September. Teams should compete in two races of their choice, plus the final round of the season held at the Goodwood Motor Circuit in October. See more about the Greenpower car projects [here](#)

About AMG Systems

AMG Systems Ltd. is a leading provider of video and communication transmission solutions designed for CCTV surveillance operations in the Transportation and Security Sectors. The company is a global supplier which offers a full range of transmission technologies including multimode and singlemode video, data and audio fibre optic transmission systems; single & multi channel unshielded twisted pair (UTP) links for video, data & audio; multi-port Ethernet switches for the transmission of IP based solutions over fibre, and both analogue and digital wireless products for the transmission of video & data. As a result AMG transmission solutions have been successfully implemented in many high profile projects throughout the world. Projects include supplying the transmission system for the UK's NRTS project, using the innovative Guardian-Lite™ 3700 system, and the security and surveillance of the Museum of Islamic Art in Doha, Qatar. AMG have completed projects for Airports, Rail, Ports, Industrial and commercial sites, sports and leisure facilities, Town and City centres, Military, Universities and hospitals. More information can be found on www.amgsystems.com