

JUNE EDITION

Project Managers Welcome

Welcome to UniSA Motorsports first official Newsletter for the year. It has been a busy time for UniSA Motorsport as we have been working very hard on our designs for the 2007 entry, much to the credit of our new team which only formed in March this year. The team of 11 final year students have developed a complete vehicle design which has now been frozen for entry into the 2007 event.



With the team in the final design phase, modelling of all components and finite element analysis of the chassis and other structural components, the team will soon begin the manufacturing stage where the excitement really begins to build.

Thorough testing of last years entry throughout the last couple of months has provided us with some significant lessons that we will be taking on board in this years design as well as providing students with valuable drive time in practise for the event in December.

2007 Entry Design Specifications

This years entry has seen some major design changes including the change to a single cylinder 499cc engine kindly supplied by Polaris Industries Australia, with the aim of reducing weight, the new engine will reduce overall weight by over 25kg, a significant leap forward to producing a compact light-weight competitive vehicle. The decision to change to a single cylinder engine which is not only light but

physically small has enabled significant changes to be made to the chassis and overall packaging of the car.

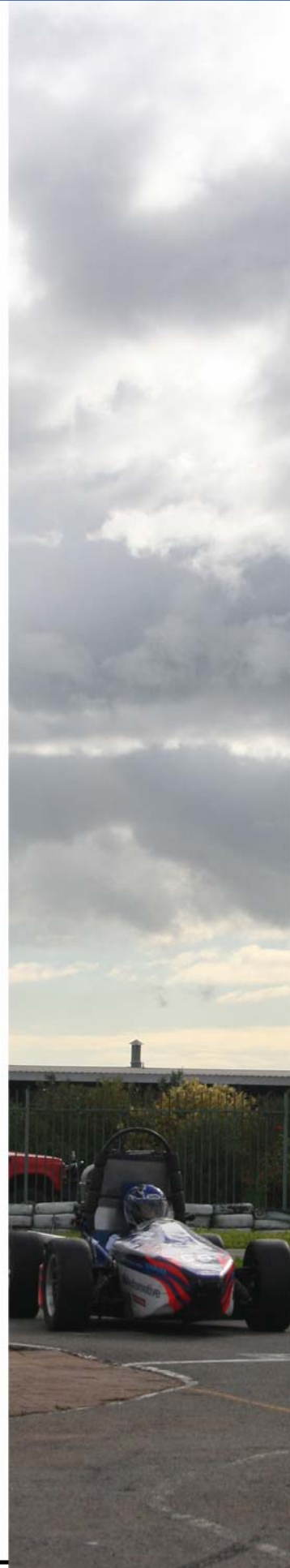
Other significant developments include all aluminium space frame chassis with Carbon Fibre Monocoque centre drivers cockpit, Reduced Wheelbase and Track, Electronic Shift and Launch Control, Forced induction via Garret Turbocharger, Inboard spring and damper with pushrod actuated suspension system, and improved body design for marketability and aesthetics.

These changes together with improving previous systems for increased durability and reliability will see us develop the car to a top 5 level.

Sideline projects including rear steering development and engine design analysis are underway and will be developed for the 2008 competition entry vehicle.

Recent Events/Website Update

The 2006 FSAE-A car has been put to great use entering a number of Motorsport events as well as being on display at the Adelaide Clipsal 500. In March the '06' car entered the Sporting car Clubs Motorkhana come n try day and in April the car entered the SCCSA's Hill climb come 'n' try day. Both events drawing allot of attention to the car by other entrants and spectators.



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The Recent Sponsorship Drive day was a success and turned out to be an enjoyable day for all, Congratulations to Robert Andrews from BAE who took out best lap time on the day showing of just 19.812 seconds. All lap times can be view on our website at www.unisa.edu.au/sae, many thanks to all sponsor who attended the drive day and to the UniSA Motorsport team and supporters for helping make the day so enjoyable.

Website update

The UniSA Motorsport team invites you to view our updated website including updated images and video's from the 2006 event, The 2006 team, 2007 Sponsors page, 2007 Design Specification details, as well as latest news and progress reports on the team.

The website will be updated regularly to include new sponsors, upcoming events, and design models of the 2007 car.

Sponsorship Opportunities for 2007/08

UniSA Motorsport welcomes our newest sponsors for 2007 including Polaris Industries Australia for supplying our new Polaris Predator 499cc Single cylinder engine, Pooraka Mini GP for providing us with valuable test time out on their track, as well as Framing Land and who will be providing the team with a framed team shirts for our 2006 naming rights sponsor AI Automotive and 2007 Naming rights sponsors,

and Optimum power technologies for supplying Virtual-4 stroke engine simulation software package which will help develop the new engine as well as future engine development.

UniSA Motorsport is an ongoing project and the University of South Australia will continue to develop the program in future years, involving second and third year students into developing projects for future design entries. The university has committed to developing the FSAE program and are looking to develop ongoing sponsorship relationships with current and potential sponsors. We are seeking feedback from previous sponsors for improvements to our sponsorship program as it is our ultimate desire to support sponsors who support us in every way we can.

Please direct any feedback to;

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