



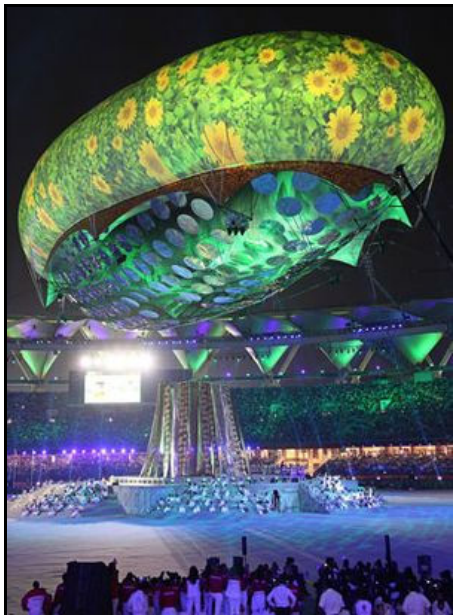
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November 2010 - Newsletter

A BIG Hi to all our sponsors, supporters, friends and LSR followers, welcome to our November 2010 Newsletter.

The good news is he has arrived, our long awaited design engineer John "Ackers" Ackroyd has arrived in Perth from the UK and is here for 3 weeks.



Ackers had to complete the project "aerotorus", the world's largest helium filled structure that you would have seen featured in the recent Commonwealth Games in Delhi before he could pay us a visit.

This structure was a major feature of the game's opening and closing ceremonies and according to him the event was a huge success for India which will hopefully help promote a very poor country and generate new business and a better standard of living for their people.

Since arriving, Ackers has jumped head first into cross checking the engineering and design features of our car and is already making suggestions on how to improve or make safer various components which make up Aussie Invader 5R. We will make public his findings in our next newsletter.

The status of our project in brief

Our crew guys, Pete Taylor, Chris Demunck and Alex Mesics have been busy getting the car ready for Ackers visit and engineering opinion. The front end is in place and looking like it means business. The windshield canopy has been laid up by Robb at Hybrid Customs and is sitting in





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<http://www.hybridcustoms.com.au>

place waiting for a meeting with a diamond bladed saw to cut the windshield area out and attach the hinges and lockdown latches.



Pete Taylor and Rosco discuss the front-end



Alex welding the front suspensions main supports



Canopy in place waiting for a meeting with a diamond bladed saw to cut the windshield area out and final fitting



We have decided to perform the composite work in the extreme front of our shop to keep the composite dust and paint fumes confined to a restricted area. To achieve this we needed to modify our existing rollover stand to allow the car to move rearwards by several metres into a dustproof hangar style structure.





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<http://www.orrcon.com.au/>

Our friends at Orrcon kindly supplied a 12 metre length of I-beam which supports the front end of the car on a rolling dolly. The car is then lifted on her rear axle via forklift and pulled out backwards. This mod will also allow us to paint the car in a more controlled environment. Thank you Stewart Smith and all the Orrcon crew.

Our newly found sponsors Loco TV have produced a great Television promo to help attract corporate sponsorship; this can be seen on YouTube. <http://www.youtube.com/watch?v=nabTyLCH308>



Alex Blain who is the MD of Loco TV has taken a big step forward and put his hand up to join our team and try his very best to attract some corporate dollars into our project working with the many companies with whom he is involved . Welcome aboard Alex.

<http://www.locotv.com.au>



<http://www.adswa.com.au/>

Before we could move the posters and merchandise forward we needed a proper logo for the project and Mark Read has been working with ADS here in Perth who specialise in logo design along with other services. The problem was we needed a great logo that sums up this extraordinary project of ours. It has been a long time in the making and after weeks of work, lots of peoples input, we have come up with a design that we all like and think really does that. A big thank you to Adam Bates, Chris Bishop and everyone at ADS for their great work.

Introducing the New Aussie Invader 5R logo

This is the new logo that will adorn our t-shirts, caps and other merchandise. We hope you like it, we certainly do and think it captures not only our current project but also the history of this great challenge with a retro styling back to the "golden era" of the Land Speed Record. We feel 45 years or so on, there is about to be another "golden era" experienced by a whole new generation of young minds, firing their imaginations for the future.



Click here to view a larger logo image http://www.aussieinvader.com/attachments/Image/AussieInvader5R_800.jpg

Alex Blain is also working with Mark Read on producing merchandise for the project and we hope to have caps, t-shirts and posters available very soon. These will also form part of our private supporter's and corporate packages.





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We have been searching the country to find a company who could produce a series of rubber suspension donuts for our front end, we contacted a local company in Perth who claim to be Innovators in Rubber Technology and they certainly are.

All Rubber in Malaga Western Australia produced a combination of 6 x 250m x 60mm suspension donuts professionally cut using a water jet machine.



The rubber donut in place (pre-compression)

We now need to verify that the compounds used in these are perfect for the spring rate of our car loaded and under full power, but they certainly look the goods. Thank you Cliff Estall and the All Rubber crew for your great work. <http://www.allrubber.com.au/>.

Our long time friend Andrew Snowden from Snowden Tooling helped us out of a tight spot this month when we needed some steering components produced at short notice using his famous wire cutting mill. It's hard to appreciate how accurate these machines are, they use a length of wire pulled through the job with an electrical charge and the action of the wire doing the cutting work. Great job, thank you Andrew.



<http://www.totalcam.com.au/>

The guys at Total C.A.M. Solutions have also been busy this month helping us out with the machining of several front suspension components, thank you guys for finding the time to help us with your huge workload, very much appreciated.

Rowe and Sons have once again done us proud this month with the fabrication of more T3 aluminium side sheets for the top of the car, these guys are a godsend to our project.

Our Project Manager and webmaster guru Mark Read has had a huge month responding to all sorts of inquiries this month from media outlets, supporters and potential sponsors as well as updating our webpage on nearly a daily basis.

We had hoped to have our name on the Car promotion underway by now but sadly we have all been way too busy. Hopefully we will have it in place before Christmas, boy what a Chrissy present, your name on the world's fastest car!





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Change to rocket motor design



There are some very interesting changes on our rocket motor design which has come about because one of our main oxidiser suppliers lost their processing plant in an explosion and the nightmare logistics of shipping this product internationally. We are now changing our oxidiser type to Liquid Oxygen and are going to a single 100k lbf throttleable ablative nozzle motor.

The guys at Rocket Lab who are our rocket motor builders welcomed this change in direction and are excited to build this new motor. Lots more on this news in next month's newsletter...

Many thanks for all the fantastic help from team and sponsors this month, progress is being made on many fronts and a project like this is always changing and requires flexibility and often tasks to be performed at short notice.

Until next month, be your very best...

Rosco McGlashan

Rosco McGlashan OAM
Fastest Aussie on Earth

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