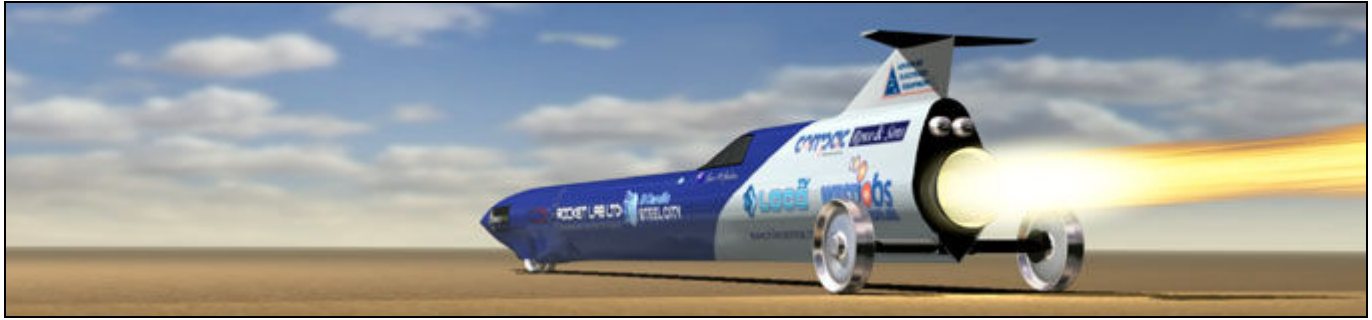




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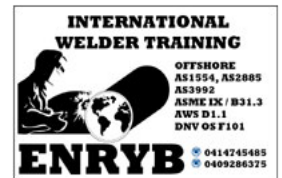
July 2011 - Newsletter

Hi to all our readers, sponsors, supporters and interested followers. Welcome to our July Newsletter.

Well after an insane four months, our car is turned the right way up sitting at ride height and looking like she means business. This has been a mammoth achievement for our crew and sponsors who have all gone beyond the call of duty to achieve this construction milestone.

A very special thanks to long time, heaven sent crew members Pete Taylor, Chris Demunck, Steve Sugden and Mike Annear for their remarkable endurance and dedication to see us achieve this world record for Australia... you guys are legends.

Thank You Sponsors



All panels in place before turning over

A huge thank you also to the sponsors who have helped us over these past few months whilst our car has been upside down... Advanced Electrical Equipment, Rowe and Sons who have so professionally completed the rolling and forming of all 21 top and bottom T3 aluminium panels. Our great mates at Di Candilo Steel City for the hundreds of steel parts expertly plasma cut to our specifications, everything needing to be completed by yesterday. Infastech for the donation of their great fastening products, Sika Australia for their famous bonding products, Lawson Fresher and Nick White from International Welder Training, Stuart Byrne from Petroleum & Mining Engineering for his continued support, Total Cam Solutions for their specialised machining work and the great crew from Powerlift for the use of two of their Nissan forklifts and first class service. We have made a huge step forward, thank you all.



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Tricky manoeuvre, turning the car over and removing the chassis jig.



Back on the ground safe and sound...phew!

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Rocket Men Feature on Channel 7 News

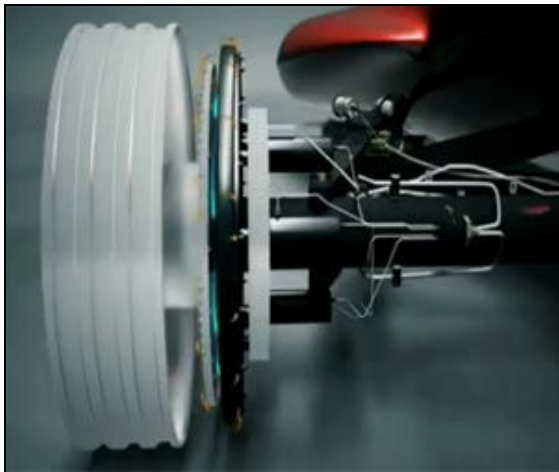


We had a great TV story this month by Channel 7 dubbed "The Ashes beyond the speed of sound". Howard Gretton somehow tracked down the World's Fastest Man Wing Commander Andy Green in the UK. For those who don't know Andy set the World Land Speed Record for Britain in 1997 at 763 MPH. Andy made a big effort to attend the Coventry Museum where his world record car is on display and did a great interview geeing up Australia to get behind the Aussie Invader project. We have had some tremendous feedback from this story that played to a national TV audience and we thank our friends and rivals <http://www.bloodhoundssc.com> for doing this.

View news item - <http://youtu.be/KqDOr1SIJyg>

New Braking System Investigated

We have been busy this month also trying to find a cleaner, greener and safer braking system for our car which currently is designed to use a carbon/carbon 6 spot setup. The rotor speed required for these brakes will need to exceed 10,000 rpm at which the carbon rotors start to come unstuck. On my last trip to the US with our design engineer John Ackroyd we were privileged to attend a testing session with the North American Eagle team who have a very interesting LSR contender and some really innovative people that support and work with them.



We were intrigued to see the braking system that Ed Shadle and his NAE team had pioneered, in a nutshell, an aluminium rotor mounts to the inside of the wheel and a series of ground magnets form a circle around a housing that aligns with the rotor. I seem to remember about a 25mm air gap between the two members. On applying the brakes 3 hydraulic rams force the magnet housing outward towards the rotor, the magnetic resistance between the rotor and magnet housing generates the braking effect. Ed claims these brakes work a treat and their highest recorded temp reading so far has been around 650f. Thank you Ed for your help with my recent interest in your brakes. Visit the NAE website <http://www.landspeed.com>.

View video - <http://youtu.be/DSm9dMJEm5w>

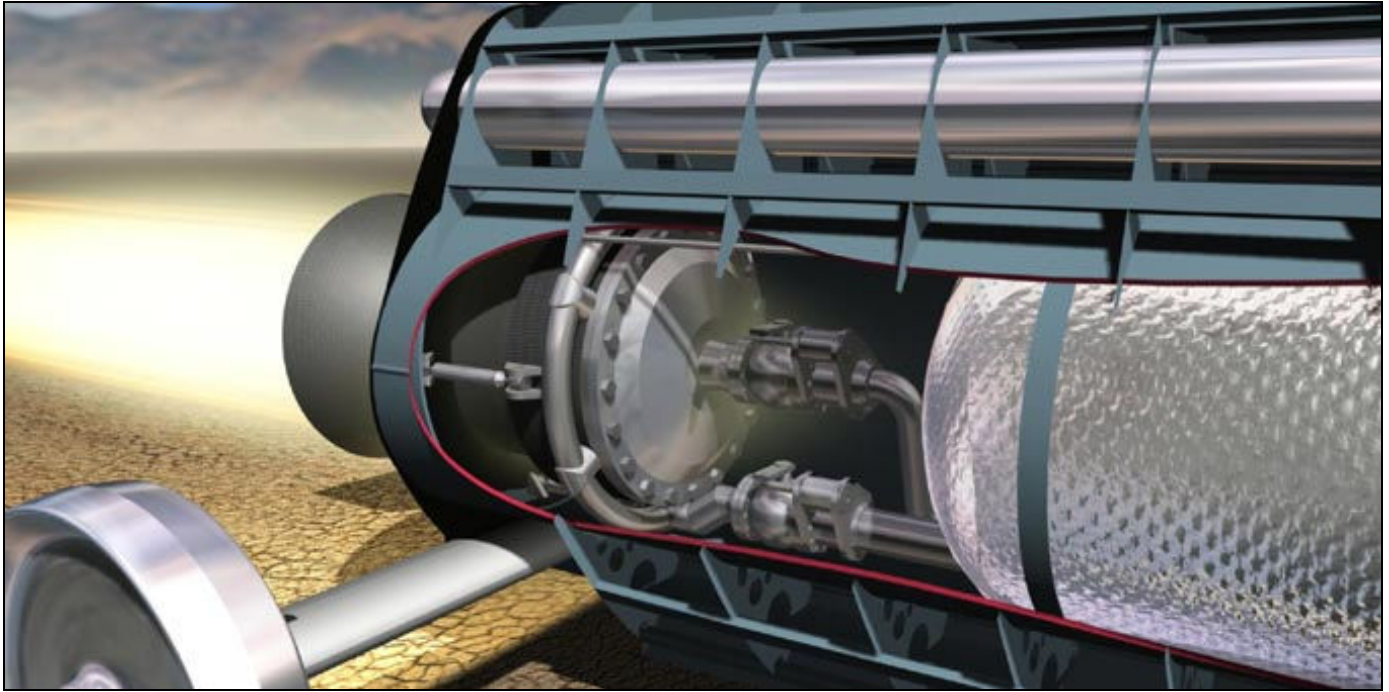
Chute Launch Issues

We are currently trying to find a suitable method to launch our chutes into the blue yonder behind our car at high speed. Our previous cars have used Martin Baker ejector seat guns, which worked very well but we are hopeful of finding a simpler solution to achieve this action. John Ackroyd has designed a drogue gun that uses an electrically fired squib/gas generator which is a

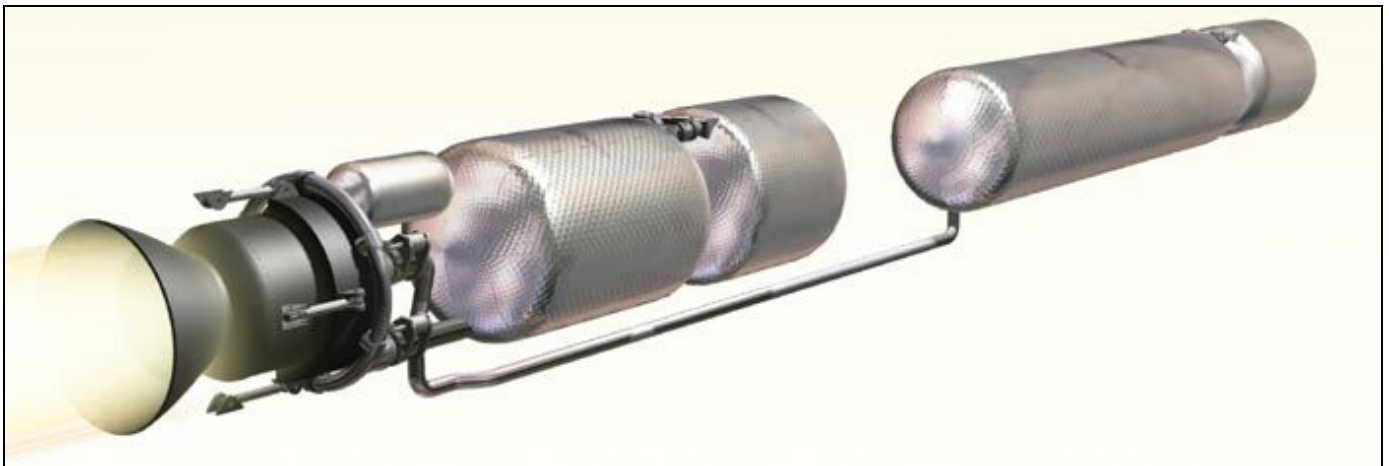
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great piece of engineering but the squibs are impossible to source. I have been talking with Second Chantz in the US who makes a terrific safety chute arrangement using compressed air as the firing medium. This system for us initially looked like a winner but gets us back into an area where multiple usage become too complicated. Anyone out there know where we can find some screw in airbag type squibs at the right price?

Our First Animated Movie – How it Works



I invited some of the crew around and Cheryl cooked a delicious cottage pie, which helped to inspire Mark Read, Alex Blain, our 3D guru Mike Annear and me to plan our first ever animated movie on how the car actually works. Mike has been working tirelessly in the last couple of weeks and early designs are looking sensational. Look out for it next month on our website and our YouTube channel.



Just a little taste of what is to come on the movie front as the car is explored from all angles

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Our New PR Machine



<http://claritycommunications.com.au/>

We've been so busy in the past year that we haven't had much time to keep the local and international media posted with what's going on. Despite our lack of focus on PR, luckily enough we've received some fantastic coverage. So in an attempt to get on the front foot with things, Alex Blain invited one of WA's most respected PR Professionals, Anthony Hasluck from Clarity Communications, to come and have a chat with me and Mark Read. After a couple of hours throwing around ideas with Anthony, it was very clear to us he was the right guy to help get our PR on track and thankfully for us Anthony was inspired by the venture and has agreed to be our new head of PR! Anthony has a great team at Clarity and close contacts with the local and national media, as well as the Sports Marketing division of a major global firm. So instead of saying "watch this space for more information", we hope that whatever space you are watching you'll find our story soon!

Scitech Partnership



<http://www.scitech.org.au/>

We are very excited to announce a new partnership with Scitech, Western Australia's leading Science Education Institution. To kick things off, Simon Carroll and Alison Fowler have invited us to attend the Young Innovator of the Year launch on 3rd July and myself and several team members

will be proud to be there along with our shiny rocket motor to help motivate this great group of entrepreneurial young kids. Also during the month, Scitech's Jason Boudville came to see us and we look forward to publishing his story soon on the website.

RACE Program & WA Young Innovator of the Year



Learn more <http://ht.ly/5tphk>

I touched on a new venture we are undertaking to promote the STEM subjects (Science, Technology, Engineering and Maths) to help inspire and educate people in Australia. This country more than most will benefit from old and young minds being drawn into studying these fields of learning.

This world faces challenges and problems that will need solving by clever people than me. So capturing young minds early and inspiring them with a project like ours is the ideal opportunity to steer them in that direction.

This came about because of the hundreds of visitors we have visit our premises annually to view the construction of our car and learn "how it works". Our project represents a unique opportunity for community groups to become actively involved with the hands on engineering and design concepts needed to build and race a mega car like ours.

We have named our learning experience RACE ...Regional Australia Community Education and our very first gig is at Scitech Discovery Centre on Sunday 3rd July from 1pm – 4pm for their WA Young Innovator of the Year (YIOTY) competition, where we will display our cars rocket motor and hopefully will have some of the awesome new animation of how it all works. This animation is

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a big task and is being expertly created by Mike Annear.

New Display Stand for our Rocket Motor



Steve Sugden has welded a stainless steel display stand for our motor with it sectioned so that the public can see its components. Barry Chambers in Donnybrook has completed the machining of our motor nozzle (plug) in readiness for a carbon fibre product to be taken from this

Perth's best sign company Compac Marketing are completing a descriptive schematic signboard to accompany this display stand. The Scitech day for the WA YIOTY should be a great day for everyone concerned and a big step forward for us all.

Two of our main guys working quietly behind the scenes are Mark Read and Alex Blain, both of these guys are true operators, both have regular work to bring home the bacon but they both find time to attend meetings on a regular basis concerning raising the sponsorship dollars, promotion of our mission, updating our website and responding to any media or public inquiries... keep up the good work guys we are getting closer...

A Quick Selection of a Few Pics from This Month

So much has happened this month that I thought it would be good to publish a selection of pictures. Trying to put them in this newsletter would make it very large, so Mark Read has loaded the images on to the website. <http://www.aussieinvader.com/the-car/the-build/>

That is about it for this month, so until next month, be your very best.



Rosco McGlashan OAM
Fastest Aussie on Earth

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