

World Solar Challenge

NEWSLETTER ANU

FIRST SPONSORSHIP AND NETWORKING NIGHT TO BE HELD IN MAY

TINDO SOLAR AND NOVA SYSTEMS BOTH KEEN TO BECOME FOUNDATION SPONSORS

STAGE GATE ONE COMPLETE WITH PLEASING RESULTS, WORKING TOWARDS STAGE GATE TWO

EVENTS



SETTING THE FOUNDATIONS

We are now progressing well into 2016, and the development of the ANU Solar Car team is continuing strongly as the team starts to grow. This current focus for the team is to get established not only within ANU but within the wider industry and sponsors in Canberra.

With a supportive stage gate one review behind us, the next steps for the team involve contacting companies and establishing a presence within Canberra's innovation network. Sol Invictus plan to contact local companies and build support from the local community first, and is aimed at providing back to the community and to making sure our first race is really a grassroots movement.

Talks with Nova Systems and Tindo Solar have been ongoing and both companies are ready to wrap up and jump on board as the founding sponsors for the ANU team. We will be working closely with these companies in the upcoming months and hope that others will soon become part of this exciting opportunity to support ANU in the 2017 race.



As part of our plans to grow our community of support we will be hosting a sponsor and alumni night in May, which will showcase our work so far, and provide information about upcoming developments. For now, stay tuned for more information about how to get involved!

Our Team:

INTRODUCING ARLENE MENDOZA

Arlene is a 3rd year Engineering and Finance student majoring in Electronics and Communication Systems. She takes a vital role as Operations Team Lead for Sol Invictus as well as managing her role as President for Robogals ANU and 2016 ANUSA CECS Rep. Originally from Perth, Arlene drives her successes with determination, chocolate, and lots (and lots) of coffee.



From the Team Lead:

ALAN BABAEI

"Sol Invictus has been strongly growing this year and as we ramp up to our first media press release in the middle of the year, the team will be growing rapidly. It has been a year since the team began and we are keen to allow all our members premium access to the challenge in 2017 and opportunities to be a part of ANU's flagship extracurricular program."



CONCEPTUAL DESIGN

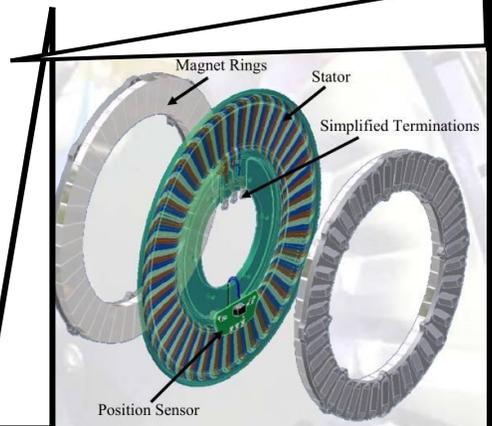
Technical development is steaming ahead, with our fourth year development team, TacDOS, having just delivered their Conceptual Design Review. Critical questions over component choice and architecture have been given answers, and after development of the interface and manufacture strategies, the team will deliver a solid foundation for technical design through Semester 2 by the internal Sol Invictus Tech Team.

From our recent Stage Gate Review we have learnt some important lessons about how the EV is going to come together on our short development cycle and through our parallel development approach.

We have also made friends from a number of different teams and institutions, who are providing us with a wealth of technical knowledge and insight.

To tee up a good manufacture cycle we are currently pursuing manufacturer relationships for construction of the Aerodynamic Shell and Frame so that we can start building the EV in earnest at the start of 2017. We are in the process of finalising our strategy for Tech Team recruitment, and will soon update with a report on progress to date and how to get involved in designing, building, testing and racing.

- Jack Allison, Tech lead



COURSE INTEGRATION

The Operations team has been working hard to engage the ANU student body by introducing WSC material within coursework. Engagement has begun in ENGN1211 (Discovering Engineering) and ENGN 2225 (Systems Engineering Design), which has given students the opportunity to focus on the logistics of the 2017 race.

Currently there are also two second year engineering students who are also completing Research Projects on modeling and designing of the solar arrays. Both of these projects will significantly improve upon what we can deliver with the final car and will be incorporated into the EV.

 **Himanshu Soni**

Modeling the yield of a solar array based on different factors.

 **Dillon McGrath**

Designing of a solar car PV array

For information regarding sponsorship opportunities or **general enquiries** contact Sol **Invictus** directly via the team email at wsc.cecs@anu.edu.au

STAGE GATE REVIEW

Our first stage gate review, held in early March allowed the team to pitch our proposal to a panel of experts, and to gain a better understanding of where we stood and what we need to do.

The panel and ANU were both highly impressed with the work completed and the people involved. From this review the team took home areas to improve and we look to bring them a conceptual design in July to review.

