

MONASHMOTORSPORT

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The M11 on
the starting
grid at
Silverstone
raceway, UK.



Bringing home the silverware.

Monash Motorsport arrives home after successful European competitions.

The Monash Motorsport team arrived home earlier this month after a challenging yet rewarding overseas journey to compete internationally at Formula Student UK and Formula Student Germany. The team competed incredibly successfully at both competitions, coming third at FSUK out of 100 teams, and then fourth at FSG out of 77 teams.

A fantastic opportunity.

But we couldn't have done it without you.

Monash Motorsport had two outstanding competitions in the UK and Germany, achieving the best results Monash has ever had on the international circuit. It is clear that all of the team's hard work, research and effort paid off overseas, but without the incredible help and support from many of our sponsors, family and friends we would never have been so successful, let alone had the opportunity to compete internationally.

Monash University and their Engineering department, along with the Monash Wind Tunnel and the Monash Workshop all played major roles in facilitating our final preparation and giving us the resources to head over to Europe. Höegh Autoliners generously transported our trailer, car and parts over to Europe for us, and are currently looking after all of our gear as it travels by sea back home. Bosch, both the Australian arm and the German head office gave Monash Motorsport plenty of assistance, particularly their kind invitation for two days of intense testing at their Boxberg test facility



The team working on the M11 in the pits at Silverstone raceway, UK.

in Germany. A big thank you to KTM, for giving us championship winning engines, and continuing to support the team and Formula SAE around the world. We would also like to recognise all the help we receive from our other major sponsors such as Chisholm Tafe, Marand Precision and Laser 3D for their assistance in creating the parts and providing the materials that made our race car. Monash Motorsport would also like to thank all of our other amazing sponsors who have helped make our dreams a reality this year, contributing to our knowledge and in turn making us all better engineers. Finally, a

massive thank you to RWTH Aachen University and their Formula SAE team, who took us under their wing and hosted us for six weeks. They let us share their work space, test track and camping sites at competition, but more importantly, they helped and assisted us with everything as we settled in overseas. We have all walked away with some of the strongest friendships we will ever have, and we cannot thank them enough for their kindness and hospitality. The whole team looks forward to seeing them again in the near future.





Formula Student UK and Germany.

A fantastic learning adventure.

The Monash Team had a great time at FSUK and FSG, meeting some amazing people, challenging ourselves, reaching goals and learning a lot along the way. We made some terrific friendships with students from all over the world, as well as meeting some awe inspiring individuals from companies like Bosch, Mercedes AMG, Jaguar Land Rover, BMW, Continental and KTM, just to name a few. Even though compared to many of the other big local teams we might have seemed lost or daunted by our surroundings, the team were able to work well as a unit and overcome many hurdles and issues that faced them every day. Be it a part that needed repairing, a rule that needed further explanation, or even simple things like navigating around the local area to find a supermarket or chemist. Our determination paid off at both competitions with outstanding results for the team, especially

considering how far we had travelled, and how limited our resources were in comparison to many other European teams.

At FSUK, the team were graciously awarded with the Engineering Excellence Award on behalf of Shell— our team scored the highest in the static events at the competition, a first for us. Jaguar Land Rover awarded us the Simulation Award for our competition points simulator which we developed late 2010 and was one of the main tools used when designing the 2011 car. We also came third overall, 10 points out of 1000 behind first place. It was an incredible feeling standing up on stage to accept our trophy. It was an unbelievable five days, filled with plenty of drama and bad weather, but it felt like it added to the learning experience we all had.

We spent the time between the two competitions visiting one of our platinum sponsors, KTM, at their Austrian headquarters. They were incredibly happy to meet us for the first time in the flesh, and the team were generously given a tour of their head office and facilities. It was great to visit them, put faces to names and strengthen our relationship with a fantastic company.

At FSG, the team were greeted with much better weather and a better sense of belonging and understanding after our experiences at FSUK. We again tackled many an issue and solved heaps of problems. We were rewarded for all of our effort and dedication during the competition with third

overall in design and then fourth overall in the whole competition, against 77 other combustion vehicles. It was again an amazing feeling standing up on stage to collect our design award, and it was an honour to be considered one of the top three designed vehicles in the German competition.

Our time competing overseas was unforgettable, and we have been able to bring home many happy memories, new ideas and stronger friendships. It has been an privilege being able to represent our university and all of our sponsors in Europe, and we hope to be able to do it again in the future.



What an experience.

Memories and reflections from the team.

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"It was a surreal experience to see and compete against the top Formula Student teams from around the world; and to finish 3rd and 4th at FSUK and FSG against this standard of competition was phenomenal. The team has learnt so much from the trip, and have gained memories that will stay with them for life."

- Alex Biviano, powertrain engineer.

"Following our results in Australia last year, it was great to have the opportunity to compete overseas on a world stage. The overall Formula Student Competition is a complete learning curve for all who are involved. We have gained valuable knowledge and experience that will help improve the car and further motivate the team heading into the Australian competition in December."

- Matt Van, driver & powertrain engineer.



"It was one of the most rewarding experiences I've ever had. It was not an easy feat, but seeing everything come together, and performing our best at competition was an amazing feeling. To do as well as we did was just a bonus, but well deserved."

- Marty Bett, team leader.





"Traveling half way round the world to race the two toughest Formula SAE events in the world was without doubt the biggest challenge this team has ever faced in our 12 year history. Finishing 3rd and 4th is a real testament to the team's hard work, organisation and technical skill. It was also great to see so many of the top teams using wings this year, attitudes have certainly changed since we were the only team to run wings in the UK in 2010. Our car's performance then and now may have had something to do with that. Perhaps wings do work after all?"

- Scott Wordley, academic advisor & team alumni.

"There were days where we were so tired and so stressed, but even during these tougher times the team were able to work together and stay positive, which helped us achieve our goals. This experience has been nothing short of a privilege, and I know I've acquired skills and friendships that I will keep my entire life."

- Natalie Ajay, head of sponsorship and media.



Formula Student UK and Formula Student Germany are on a completely different level compared to FSAE-A, with 4 times as many competitors, from 6 continents. It was great to see that we could compete strongly against the best teams in the world. The way the events were run was definitely a shock: things like waiting for an hour in the skid pad line, or a 3 hour design final are things we haven't encountered before but alot of the team adapted to the challenges really well. We will definitely bring what we've learnt back to Australia for FSAE-A 2012 in December.

- Steven Webb, M11 chief engineer.



"Meeting a vast amount of other passionate engineering students, all wanting to perform at their best during competition, was a real eye opener to just how competitive these European events were. Being able to represent Australia against these high quality teams, was an experience which I will never forget!"

- Drew Trathern, suspension engineer.





Getting ready for Formula Student Australia.

Preparing to compete on home turf.

As we all get used to life back home in Australia, the team are also busily preparing the build of our next car, the M12, for the December competition. As our current vehicle is still at sea and not expected to arrive back to Melbourne until October, the team are using the time to design and manufacture all of the new parts for the new car. On top of all the new parts that need to be manufactured, a brand new and improved space frame chassis has been fabricated for the

Australian competition. The team are planning on having the new vehicle together as soon as possible to begin an intense testing schedule, whilst also being ready for the M12's sponsor launch. We will hopefully be able to update our sponsors and fans via facebook regularly over the coming months. Make sure you keep an eye on our facebook and website so we can keep you up to date with all our news.



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Find out more.

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