

TEAM HARE

SUMMER NEWSLETTER 2010



Thank you

WE WOULD LIKE TO TAKE THIS OPPORTUNITY TO THANK EVERY ONE OF OUR SPONSORS FOR THEIR SUPPORT IN THE BUILD OF THE PFK-01, THE 2010 HUDDERSFIELD UNIVERSITY FORMULA STUDENT ENTRY. THIS YEAR HAS BEEN ,FOR THE TEAM, A MASSIVE LEARNING EXERCISE AND A BIG STEP FORWARD IN TERMS OF BOTH OUR OWN PERSONAL DEVELOPMENT AND AS A RACING TEAM. WORKING TOGETHER WITH THEM, HAS ALLOWED US TO BUILD SOMETHING TRULY SPECIAL THAT HOPEFULLY EVERYONE CAN BE AS PROUD OF AS MUCH AS WE ARE.



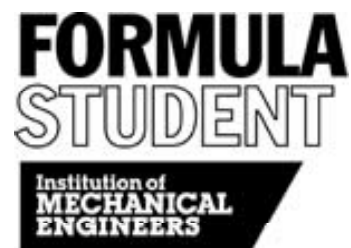
DENSO  **DAVID BROWN**



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SILVERSTONE ROUND-UP

FRIDAY

We arrived at Silverstone after a massive effort from the team to get the car built in time for the event. The finishing touches had yet to be done to get the PFK-01 through scrutineering and safety checks. Amongst working on the car, we also had the static events the Design, Cost and the Presentation. The team received extremely positive feedback from the Judges who commented on the attention to detail, the very high specification and the very high standard of engineering that was apparent in every detail the on the car. At the end of the day, the team were placed in a strong 38th place overall.



SATURDAY

The team had put in a monumental effort to get the car completed amongst many setbacks in the production phase, however in the end it proved to be too much, the team scored DNA (did not attend) for both the acceleration and skid pan events, due to having not passed all the safety checks by the end of Saturday morning. On the upside, the PFK-01 sailed through every single safety check in order to earn the right to compete on the Silverstone Tarmac.

With the scrutineering of the car completed, the team could then turn their attention to starting the engine. The first turn of the key showed running problems that were eventually traced back to the engine map, which had been lost via an error in the MOTEC engine management software. As a result, a previous year's engine map had to be utilised.

Despite the setbacks, the car was wheeled to what would be its first event in 2010, the sprint event. Even with the problems with the engine map and the fact that there was no time to set up the suspension, Chris posted respectable times on the sprint. Scott then posted almost identical times and most important of all the team gained valuable testing time to take into the Endurance event, the highest point scoring event of the competition.

SUNDAY

After an intense Saturday, the team prepared the PFK-01 for the most difficult event of the weekend, the Endurance. With brand new tyres and having had time to learn the track on the Saturday, Chris took the car out for the first leg of the endurance. Chris immediately settled into a rhythm in the car and posted an average time of 1:08, with a fastest lap of just under 1.06, just 5 seconds shy of the fastest UK team. Chris went on to say, 'due to the engine mapping problems, the car struggled in the lower rev range which made the car very difficult to drive in low speed corners'.



After a very strong first stint, Scott took over the wheel for the second half of the event. After a second turn of the key, the engine fired into life again and the car was out for its final run. After a shaky first few corners, Scott settled into the car. As Scott's confidence and lap times improved, on lap 18 of 23 white smoke started to trail out of the back of the PFK-01, the oil sump plug on the CBR-600 engine had worked its way loose and the engine had lost its oil. A frustrating end to the first race weekend of year for Team HARE, however confidence was taken from the very competitive pace the shown by the car and the very encouraging words from the Design Judges.

The team placed 54th overall out of 76 class 1 competitors, a position gained almost entirely only the points scored on the static events. With time now to resolve the cars issues and more time to test the car, the team look forward to Formula Student Hungary on the 19th of August.



The 2010 team at the event.



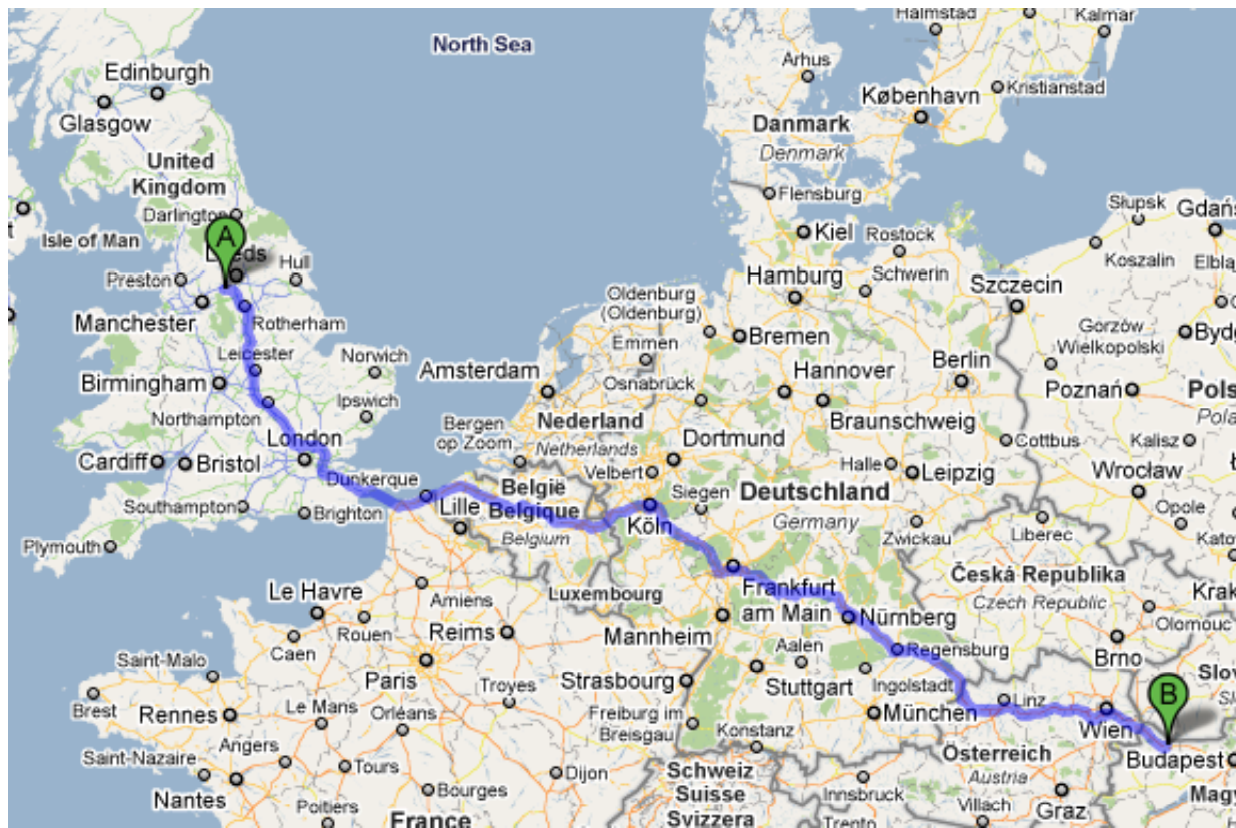
FORMULA STUDENT HUNGARY



For the first year in its history, Team HARE are going to be competing in a non UK event. This comes in the form of the brand new Formula Student Hungary event, which is to be held in Gyor from the 19th to the 22nd of August. The entry comes on the back of continued support from our major sponsors, who recognise the huge potential of the PFK-01 chassis to be very competitive in any competition. The competition runs in the same format as the UK event and the competition comes in the form of German, Austrian, Finnish, French and Slovakian teams.

As the only UK team to be accepted for an entry at the event, Team HARE are extremely proud not to just be representing our University, but the country as a whole.

For more information on Formula Student Hungary please visit www.fshungary.hu



Some way to go! The 2392 mile round trip across 6 countries.

TEAM HARE VISIT DENSO

On the 31st of July, the team took the PFK-01 to our major sponsor DENSO to demonstrate the cars ability to the people from the Marston factory who contributed to the build of the car over the last year. Denso supplied the Radiator and Fuel Tank for the car and all parts were manufactured precisely to our specifications. The car was ran around the on-site car park at Denso in order to demonstrate its blistering acceleration and extremely nimble handling. The day also served as yet more valuable testing time, as the team look to identify any potential problem areas before the trip into Europe.

DENSO



Denso's support both technically and financially contributed hugely to the build of the PFK-01 and the team would like to thank them once again for their excellent support.

PLANS FOR 2011

September see's the start of a new academic year and a change in leadership for Team HARE. This year has highlighted areas for potential improvement and a new team means fresh thinking. The 2011 team are now actively looking for sponsorship, by both continuing the partnerships the team already have and also looking for new sponsors to help us produce the 2011 car. Further possibilities for 2011 are an FSE entry (Formula student electric) and a Class 2 entry (design and partial build competition) with the purpose of the entry being to show the direction that the team is to go in the future.

For information on how you can get involved with Team HARE and to see what we can offer you, please visit www.teamhare.co.uk and click on the 'contact us' tab or alternatively email Scott Thompson U0670870@hud.ac.uk

We look forward to working with you next year!

*Team***HARE**

