

## **Greenpower Sussex Heat at Goodwood, 20th June 2010**

Sunday 20th June started bright and sunny, ideal weather for the annual Sussex Greenpower heat and traditionally one of the most competitive of the season fixtures.

A shortage of drivers due to other commitments meant that we were unable to field both of the St Paul's cars for the F24 four hour race, however it was decided that both cars would run in the F24+ race the shorter one and a half hour race for 16-25 year olds. Niall Berry and Matt Rideout our most experienced drivers were driving iWac Aero and Zytec Aero respectively. The shorter race duration does mean more battery power is available which with the right gearing can mean faster lap times but as the decision to run in F24+ was made late, no time was available to make any gearing changes.

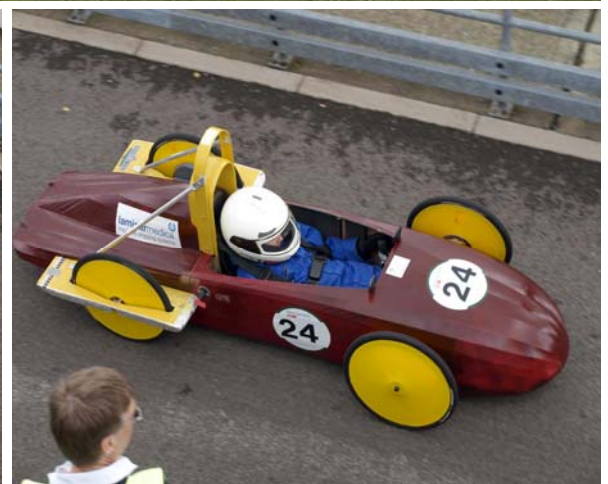
The race started at 11.00am with newcomers RGS Worcester setting the pace early on leading from Chipping Sodbury School's Y-Pod?! and Super Swoosh, the latest car from Horsfall Racing now with some sponsorship support from Passivent. Fireblade from The Philip Morant School was in 4th with Zytec Aero in 5th and iWac Aero losing touch with the top group in 9th. As the race progressed Y-Pod?! overtook RGS Worcester as did Super Swoosh with Zytec Aero getting ahead of Fireblade into 4th position and starting to make progress on RGS Worcester. Halfway into the race iWac Aero started to make its way up the order putting in its fastest laps which we subsequently discovered that Niall was following F24 amp draw for the first half of the race then realised he had a fair amount of power left so started to use it! Nonetheless progress was made getting into 7th position. Zytec Aero with Matt driving hit the highest speed recorded for the car of 36.7mph with an average speed of 29.6mph and began to consolidate his position in 4th although a podium position began to slip away as RGS Worcester had a "second wind" late on in the race. At the end of the race Y Pod?! had carved out a lead from Super Swoosh finishing in first place being all the more remarkable as the driver, Alex Hunter is undergoing chemotherapy for a rare form of spinal cancer. We all wish him a speedy recovery. Zytec Aero finished in 4th place just off the podium with a mileage of 43.2 miles. iWac finished in 7th place with a mileage of 36 miles.

The day's programme continued almost immediately with the Formula 24 race lining up on the grid for a 1pm start – a record entry of 40 cars from across the South of England and further afield. It was clear from the outset that Rotary Racer, the National Champion from Chipping Sodbury School was going to be the car to beat, heading straight into the lead from lap one but with hot competition from the two Seaford College cars, Diablo and SC07, The Philip Morant School with Fireblade and Zytec Aero from St Paul's.

Matt Rideout in his second drive of the day started well holding 5th position for the first hour hitting a top speed of 36.4mph. Nathan Oldfield took over after the first hour with a second solid hour of driving maintaining good lap times to the battery changeover at two hours at an average speed of 27.6mph. Leonie Rideout started the third hour on fresh batteries achieving her first sub 5 minute laps in quick succession. Leonie handed over to Ciaran Brown with an amazing driver changeover and Ciaran kept up the pace again with a solid performance delivering lap after lap of consistent times. Ciaran handed over to Dominic Radmall who brought the car home again maintaining good consistent lap times

Four hours of truly exciting racing finished at 5pm with Rotary Racer crossing the line well ahead of the opposition having completed 127.2 miles. Behind however no-one was sure of the final positions, it was that closely contested to the finishing flag. However, when the results were announced, it was The Weald School that finally finished second – an impressive re emergence for this top team having completed 115.2 miles, The Philip Morant School with Fireblade grabbing third having completed 112.8 miles race and Zytec Aero taking fourth having completed 110.4 miles matching the mileage achieved at the Corporate Challenge in April and the cars best ever distance. This will easily qualify the car for the Final in October.

The data we obtain from our Garmin Edge 605 GPS units donated to us by Garmin UK have been invaluable in driver training to improve overall performance. Some of the data can be seen at the end of this Newsletter.





### Zytec Aero's Performance

Driver	Split	Time	Time elapsed	Moving Time	Distance	Avg Speed	Avg Moving Speed	Max Speed
Matt	1	00:05:13	00:05:13	00:05:12	2.38	27.30	27.50	33.20
	2	00:04:51	00:10:04	00:04:51	2.36	29.20	29.20	35.60
	3	00:04:57	00:15:01	00:04:57	2.37	28.70	28.70	35.70
	4	00:05:02	00:20:03	00:05:03	2.37	28.10	28.10	35.80
	5	00:04:58	00:25:01	00:04:58	2.37	28.60	28.60	35.00
	6	00:04:54	00:29:55	00:04:54	2.37	29.00	29.00	34.90
	7	00:04:57	00:34:52	00:04:58	2.37	28.60	28.60	36.40
	8	00:05:05	00:39:57	00:05:05	2.38	28.00	28.00	35.80
	9	00:05:04	00:45:01	00:05:04	2.37	28.00	28.00	35.80
	10	00:05:02	00:50:03	00:05:02	2.36	28.20	28.20	35.30
	11	00:04:59	00:55:02	00:04:59	2.37	28.50	28.50	35.00
	12	00:05:37	01:00:39	00:05:37	2.36	25.20	25.20	35.60
	13	00:07:21	01:08:00	00:05:42	2.39	19.50	25.10	32.70
Nathan	14	00:05:06	01:13:06	00:05:07	2.37	27.80	27.80	35.30
	15	00:05:03	01:18:09	00:05:03	2.39	28.30	28.40	35.00
	16	00:05:05	01:23:14	00:05:05	2.37	28.00	28.00	34.90
	17	00:05:29	01:28:43	00:05:29	2.38	26.00	26.00	34.60
	18	00:05:06	01:33:49	00:05:07	2.37	27.80	27.80	35.90
	19	00:05:18	01:39:07	00:05:18	2.38	26.90	26.90	34.20
	20	00:05:22	01:44:29	00:05:23	2.37	26.50	26.50	34.50
	21	00:05:12	01:49:41	00:05:13	2.39	27.50	27.50	34.90
	22	00:06:43	01:56:24	00:06:02	2.37	21.20	23.60	34.30
	23	00:05:15	02:01:39	00:05:15	2.38	27.20	27.20	33.50
Leonie	24	00:04:55	02:06:34	00:04:55	2.38	29.00	29.00	36.10
	25	00:04:59	02:11:33	00:04:59	2.38	28.70	28.70	34.40
	26	00:05:00	02:16:33	00:05:00	2.38	28.50	28.50	35.50
	27	00:04:56	02:21:29	00:04:56	2.37	28.80	28.80	34.60
	28	00:05:01	02:26:30	00:05:01	2.38	28.40	28.40	35.40
	29	00:05:01	02:31:31	00:05:01	2.38	28.40	28.40	34.30
	30	00:05:07	02:36:38	00:05:07	2.38	27.90	27.90	34.50
	31	00:05:07	02:41:45	00:05:08	2.37	27.70	27.70	33.10
	32	00:05:45	02:47:30	00:05:45	2.37	24.80	24.80	34.00
	33	00:05:58	02:53:28	00:05:29	2.38	23.90	26.00	31.30
	34	00:05:06	02:58:34	00:05:06	2.38	28.00	28.00	34.40
Ciaran	35	00:05:12	03:03:46	00:05:13	2.37	27.30	27.30	33.10
	36	00:05:03	03:08:49	00:05:03	2.38	28.30	28.30	34.10
	37	00:05:05	03:13:54	00:05:05	2.37	28.00	28.00	33.20
	38	00:05:19	03:19:13	00:05:19	2.38	26.90	26.90	32.70
	39	00:05:08	03:24:21	00:05:08	2.38	27.80	27.80	33.50
	40	00:05:10	03:29:31	00:05:11	2.37	27.50	27.50	32.80
	41	00:05:15	03:34:46	00:05:15	2.38	27.20	27.20	31.50
	42	00:06:10	03:40:56	00:05:42	2.38	23.10	25.00	31.90
Dominic	43	00:05:59	03:46:55	00:06:00	2.37	23.70	23.70	30.70
	44	00:05:29	03:52:24	00:05:29	2.37	26.00	26.00	32.60
	45	00:05:35	03:57:59	00:05:36	2.37	25.40	25.40	31.30
	46	00:05:32	04:03:31	00:05:32	2.37	25.70	25.70	32.30
	<b>Summary</b>	<b>04:03:31</b>		<b>00:04:51</b>	<b>109.23</b>	<b>27.07</b>	<b>27.33</b>	<b>36.40</b>