


2011

« 2010 2012 »

Phoenix-011

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In order to reduce costs and meet time restrictions the 2010 monocoque was regened with updated componentry for the 2011 FSAE-Australasia competition. With a strong team, this car placed 2nd overall. Achieving a 2nd place in Endurance and a phenomenal three 1st places, in Acceleration, Autocross and Fuel Economy. The 2011 car achieved our lowest fuel burn ever at a consumption rate that is exceptionally low by competition standards.

Specifications	
Weight:	209 kg
Power:	100 hp
Engine:	Honda CBR600RR, custom intake, fuel injection, with dry sump. High compression pistons utilised. Dual custom exhaust.
Drivetrain:	4-speed gear box with custom shift barrel, with sequential shift and hydraulic clutch. Chain RWD with Clutch Pack LSD.
Chassis	One-piece carbon fibre monocoque with CrMo rear spaceframe.
Suspension:	Kinetic H2 suspension system, carbon-fibre flexible lower wishbone, and torsion bars. Double unequal length wishbones, non-parallel axes with toe control in rear. Custom mono-tube dampers. Pull-rod all round.
Electronics:	14V LiFePo system. Motec controller with data acquisition and traction control system. Steering mounted driver feedback display.
Brakes:	Floating cast iron disc brakes with fixed Brembo dual piston calipers.
Wheels:	Custom ultra-lightweight cast aluminium rims, custom single nut fastening.
Aerodynamics:	Undertray with full length tunnels and diffuser, front wheel fairings.
Tyres:	Goodyear Eagle D2704.