

Project **ECOTRICITY- NEMESIS**

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AUTOMOTIVE

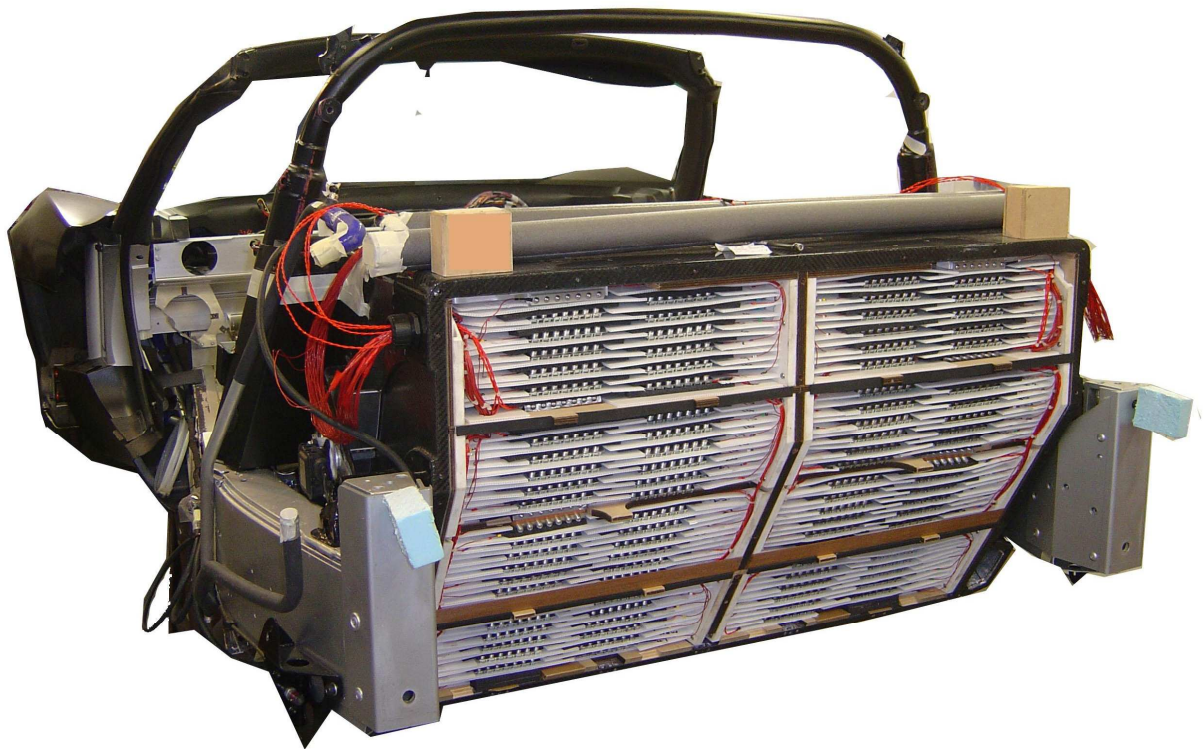
PROJECT OUTLINE

- **OUT & OUT HIGH PERFORMANCE SPORTS CAR**
- NOT AN EVERYDAY SHOPPING TROLLEY.
- **MODERATE 100 MILE RANGE**
- VERY FEW PEOPLE ACTUALLY NEED TO TRAVEL FAR EVERY DAY.
- **PURE ELECTRIC VEHICLE**
- MINIMAL WEIGHT WITHOUT COMPLEXITY OF HYBRID.
- **WIND POWERED GREEN ELECTRON SOURCE**
- TO PROMOTE GREEN ENERGY NOT BROWN.
- **EXCITING AND UNIQUE DRIVING EXPERIENCE**
- TO BE DIFFERENT TO OTHER ELECTRIC VEHICLES.

250 kW Nemesis EV



NEMESIS 35.5 kW/h 96 KOKAM Li-ion cells



ELECTRIC DRIVE PACKAGE



Nemesis - general **specification**

Component	Specification
Chassis:	Modified Aluminium Lotus Exige Modified steel rear sub frame
Motors:	2 x 125kW (rear) Rear wheel drive
Transmission:	Bespoke carbon toothed belt two stage reduction transaxle
Brakes:	Up rated AP racing discs and callipers
Body:	Modified Exige, epoxy pre-preg glass/carbon fibre Nomex honeycomb
Interior:	Carbon fibre, Hemp/Flax fibre, aluminium and leather.
Power:	250 kW – 333 Bhp
Performance:	0-100kph: 9.4 secs Top Speed: 170mph+
Homologation:	VOSA IVA
Kerb Weight:	1166 kgs
Range:	120 (target)
Range Extender:	Possible later development

Nemesis - **DEVELOPMENT** Phase

- **BMS - Battery Management System** – ongoing development and enhancement. New Mk 2, more robust and faster cell balancing system – planned December 2010.
- **12V & VSC – Vehicle Systems Computer** – Up rating vehicle 12V battery supply and additional VSC functionality.
- **Fast Charger Development** – Installation of an on board Fast Charging arrangement to facilitate a planned Lands End to John O'Groats demonstration – planned June 2011.
- **Electric Vehicle - Land Speed Record** – Change to final gear ratios for an attempt towards 170 mph. – planned Spring 2011.
- **Kokam Cell knowledge** – Continued historical compilation and analysis data base records. Further understanding of this new technology.

