

## Appendix V

### Information available on the Internet

(A list of addresses identified and/or found useful during the study; the list cannot, of course, hope to be exhaustive. Addresses believed correct at the time of compilation)

#### Powders

- www.hoganas.com** Resin coated powders produced by the Hoganas Company, Sweden.
- www.qmp-powders.com** Resin coated powders produced by Quebec metal Powders Ltd., Canada.

#### Magnetic material producers

- www.ugimag.com**
- www.grouparnold.com** includes information on UK subsidiary Swift Levick Ltd.

#### Soft magnetic applications

- www.qmp-powders.com** Magnetic motors and sensors

#### Electrical applications

- www.lucasvarity.com** Electric power assisted steering

#### Crime prevention

- www.uwe.ac.uk** University of the West of England site for information on Crime and Crime Prevention.
- www.hi-media.co.uk** UK Internet Security Directory covering main suppliers to the UK Security Marketplace.

#### Hybrid electric vehicles

- www.hev.doe.gov** US Department of Energy web site detailing the US Hybrid Vehicles Propulsion Program.

#### Recycling and environment

- www.caregroup.org.uk** Details of the UK CARE scheme (Consortium for Automotive Recycling), current members and programme.
- www.epa.gov** US Environmental Protection Agency web site explaining the Corporate Average Fuel Economy (CAFÉ) policy, and giving details of the current and proposed future standards for vehicle manufacturer's overall vehicle fuel economy.
- www.environment-agency.gov.uk**

#### Fuel cells and vehicles Electric vehicles

- www.ford.com** [access 'our company', 'design and technology', 'electric vehicles']  
Ecostar Electric Drive Systems Company with Ford, Daimler-Benz AG and Ballard Power as partners, details the current state of the systems.
- www.ballard.com** Ballard Power Systems web site giving details of fuel cell systems under development with projected dates.  
Dbb Fuel Cell Engines formed by DaimlerChrysler, Ballard Power Systems and Ford concentrating on developing, manufacturing and commercialising fuel cell engines for buses, cars and trucks.

Ballard Generation Systems formed by Ballard Power Systems, GPU International Inc., Alstom SA and EBARA Corp, for development of power generation systems under one megawatt capacity.

**[www.ta.doc.gov/pngv/introduction/intro.htm](http://www.ta.doc.gov/pngv/introduction/intro.htm)**

US Technology Administration at the Department of Commerce web site describing the Partnership for a New generation of Vehicles (PNGV) which includes 7 agencies and 19 federal laboratories and DaimlerChrysler, Ford and General Motors. The objective is to develop a 'supercar' with up to triple the fuel efficiency of today's mid-sized cars, without sacrificing affordability, performance or safety.

**[www.ott.doe.gov](http://www.ott.doe.gov)**

US Office of Transportation web site giving further information on the PNGV Program. [access 'pngv program']

**[www.dodfuelcell.com/fcdescriptions.html](http://www.dodfuelcell.com/fcdescriptions.html)**

US Department of Defense web site giving information on fuel cell development for powder generation.

**<http://education.lanl.gov/resources/fuelcells>**

Los Alamos National Laboratory web site containing a full review of fuel cell technology in single report form.

**[www.ovonic.com](http://www.ovonic.com)**

Energy Conversion Devices Inc., has a subsidiary company, Ovonic Battery Company that is developing nickel metal-hydride rechargeable battery technology. General Motors and Ovonic Battery formed a manufacturing joint venture in 1994 called GM Ovonics. Details of current battery performance aimed at automotive use are included.

**[www.solectria.com](http://www.solectria.com)**

A US company web site detailing kits currently available for automotive use. These include motor controllers, battery chargers, motors, gearboxes and dc-dc converters.

Automotive industry research

**[www.cf.ac.uk](http://www.cf.ac.uk)**

Centre for Automotive Industry Research (CAIR), based at the Cardiff business School, giving aims and objectives

**[www.mira.co.uk](http://www.mira.co.uk)**

Motor Industry Research Association

**[www.ricardo.com](http://www.ricardo.com)**

Ricardo Powertrain and Vehicle and testing Technology information.

**[www.ft.com](http://www.ft.com)**

Financial Times web site covering information and publications relating to the UK automotive industry [access 'industry view', 'autos']

**[www.autoindustry.co.uk](http://www.autoindustry.co.uk)**

DTI Automotive Directorate website bringing together all UK information of relevance to the UK automotive industry. Includes a wealth of information from technology to centres of excellence.

**[www.just-auto.com](http://www.just-auto.com)**

Trade associations and professional institutions

**[www.epma.com](http://www.epma.com)**

EPMA

**[www.materials.org](http://www.materials.org)**

Institute of Materials

**[www.mpif.org](http://www.mpif.org)**

Metal Powder Industries Federation (USA)

University work/networks

**[www.trg.soton.ac.uk](http://www.trg.soton.ac.uk)**

Transportation Research Group at Southampton University;  
EPSRC supported Transport Visions Network

**[www.its.leeds.ac.uk/](http://www.its.leeds.ac.uk/)**

Institute for Transport Studies at Leeds University; pollution  
analysis

**[n.d.vaughan@bath.ac.uk](mailto:n.d.vaughan@bath.ac.uk)**

EPSRC Network: Powertrain systems and driveline technology

**[www.autoline.org](http://www.autoline.org)**

Euromotor Project (European motor industry training network)

Government Information

**[www.cordis.lu](http://www.cordis.lu)**

key website for all EU funded research

**[www.dti.gov.uk](http://www.dti.gov.uk)**

Department of Trade and Industry site.

**[www.epsrc.ac.uk](http://www.epsrc.ac.uk)**

includes details of all past and present EPSRC funded projects

**[www.europa.eu.int](http://www.europa.eu.int)**

general information on European Commission

**[www.european-patent-office.org](http://www.european-patent-office.org)**

includes comprehensive patent search facility

**[www.foresight.gov.uk](http://www.foresight.gov.uk)**

main website of UK Foresight. Many references can be found in the "Knowledge Pool". Examples include "Ageing Population Task Forces", Mary Lawrence; "Foresight Healthcare Information Task Force" by Paul Gardner; "Just around the corner" (Crime) and "We can make it" (Manufacturing 2020) are both useful consultation documents; "Opportunities for Industry in the application of Nanotechnology" by Ottilia Saxl.

**[www.foresightvehicle.org.uk](http://www.foresightvehicle.org.uk)**

Details of the UK's national automotive R&D programme aiming to promote technology and to stimulate suppliers to develop and demonstrate market driven enabling technologies for future vehicles which must satisfy increasingly stringent requirements as well as meeting expectations for safety, cost, performance and desirability.

Misc.

**[www.raeng.org.uk](http://www.raeng.org.uk)**

Royal Academy of Engineering (e.g. inf. on 'Review of the UK research base in biomaterials')

**[www.benchmarkindex.com](http://www.benchmarkindex.com)**

details of DTI Benchmarking Index scheme