

Oxfordshire Eco-renovation Directory

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Produced by

COIN (The Climate Outreach Information Network) – www.coinet.org.uk /
www.ecovation.org.uk
and **Oxfordshire ClimateXChange** – www.climatex.org

Introduction

The directory has been designed to showcase the range and supply of eco-renovation expertise in and around Oxfordshire. We hope you find it useful. If you are at the early stages of seeing what is available, the information and planning section should suit you. Providers of total solutions can suit busy people who just want the best answer. The suppliers headings should help you identify the most suitable eco home improvements.

Publicising this information does not mean we endorse any particular products or services. Some entries may be outside Oxfordshire. This is either because they operate within Oxfordshire, or they are a specialist service / retailer that may be useful.

If you are a supplier of eco-renovation products or services and are not included the directory, please send us your details using the form at the end of the directory.

We hope to see you at an Eco-renovation event soon!

Information and Planning

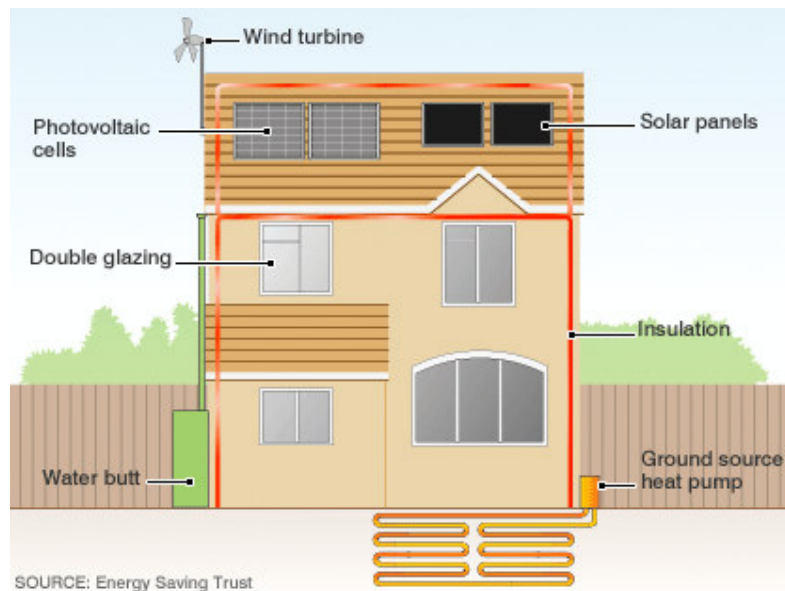
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Energy Advisors and audits

United Sustainable Energy Agency (formerly Thames Valley Energy Centre)

United Sustainable Energy Agency (USEA) is the new name for Milton Keynes Energy Agency and Thames Valley Energy Centre. We deliver carbon reductions and address fuel poverty by offering a range of sustainable energy solutions to individuals, business and organisations. USEA is also an operator for the Energy Saving Trust and offers free, impartial and expert energy saving advice.

www.tvec.org.uk

01993 709688

Oxford City Council www.oxfordismyworld.org

Your guide to saving the planet, starting in Oxford, with links to advice and info.

Email enquiry@oxfordismyworld.org Telephone 01865 252 197

Thames Valley Energy www.tvenergy.org

TV Energy has been established in the Thames Valley with the mission:

‘To promote and facilitate practical sustainable energy solutions and provide education for communities, businesses, organisations and individuals within the Thames Valley and beyond.’

TV Energy operates in Berkshire, Buckinghamshire, Oxfordshire and northern Hampshire.

Energize Oxford



energize oxford

Reduce your costs and your carbon footprint

Worried about your bills and your carbon emissions? Energize Oxford can help. Using the latest methods and software, we carry out a comprehensive energy audit of your home and lifestyle. The analysis shows current consumption and

what to do to reduce it.

Power in your hands

Many people know they need to do something but don't have the time or know where to start. Our report will help you take actions that suit your time-frame and budget. It makes financial as well as environmental sense to call us now.

Take action today
Start now! Call or email us now to make an appointment to audit your home

Contact: Martin Carr

Mobile: 07887 607044

Web: www.energizeoxford.co.uk

Email: info@energizeoxford.co.uk

Alpha Energy Solutions

Alpha Energy Solutions is an independent consultancy based in central Oxford with expertise in the energy performance of buildings. We can provide Energy Performance Certificates from a BRE accredited assessor for any domestic building, but additionally specialise in older, traditionally built properties including listed buildings and those in conservation areas. Contact us by telephone or e-mail for an initial assessment free of charge.

Contact: Michael Humphries

Alpha Energy Solutions

Email michael@alphaenergy.co.uk

www.alphaenergy.co.uk

Telephone 01865 247591

Oxford Environment Centre

<http://www.oxfordenvironmentcentre.com>

Specialising in Environmental Products, energy audits from £150 per household. Based in Witney.

Free Information, Carbon Calculators and Reports

Environment Agency

www.environment-agency.gov.uk

Tips for saving water at home and in gardens

Blewbury Energy Initiative Website

www.blewbury.co.uk/energy/energy.htm

Award-winning website for an inspirational project, plus a host of facts and figures about renewables.

UK Climate Impacts Programme www.ukcip.org.uk

The definitive source of info for the projected impacts of climate change.

Online Carbon Calculators

See <http://coinet.org.uk/materials/carboncalculations> for a detailed comparison.

iMeasure www.imeasure.org.uk

This is a unique online tool giving you the ability to accurately measure and monitor your household's energy use and carbon emissions over time.

Act on CO2 <http://actonco2.direct.gov.uk/index.html>

DEFRA's carbon calculator

WWF <http://footprint.wwf.org.uk/>

The Carbon Account <http://www.thecarbonaccount.com/>

Ecofoot <http://www.ecofoot.org/>

Very good for products but no detailed print to analyse

Reports

Report: HOME TRUTHS: A LOW CARBON STRATEGY TO REDUCE UK HOUSING EMISSIONS BY 80%

www.eci.ox.ac.uk/research/energy/hometruths.php

The Low-carbon Strategy from the Environmental Change Institute at Oxford University identifies the policies needed to deliver an 80 per cent cut in carbon emissions from UK homes by 2050. These cuts are achievable but will require a quantum leap in commitment from Government and a radical new approach.

Report: WWF 'How Low?'

Achieving optimum carbon savings from the UKs existing housing stock.

www.wwf.org.uk/filelibrary/pdf/how_low_summary.pdf

Carbon Lite Programme www.carbonlite.net

A practical step-by-step guide aimed all those practitioners involved in the design, construction and use of low-energy, low-CO2 emissions buildings.

Beating the Heat [Beating the Heat:keeping UK buildings cool in a warming climate:](http://www.hartlepool.gov.uk/downloads/Beating_the_heat_Buildings.pdf)

http://www.hartlepool.gov.uk/downloads/Beating_the_heat_Buildings.pdf

Your home in a changing climate

[Your home in a changing climate:retrofitting existing homes for climate change impacts :](http://www.london.gov.uk/trccg/docs/pub1.pdf)

<http://www.london.gov.uk/trccg/docs/pub1.pdf>

Report: The 40% house www.40percent.org.uk/

Case studies and policy ideas on how to reduce CO2 emissions from the whole UK housing stock by 60% by 2050. Produced by the Environmental Change Institute at Oxford University.

Rethinking House Refurbishment: www.rethinkinghousingrefurbishment.co.uk

The BRE website for proving the value of refurbishment in renovating UK housing stock.

Society for the Protection of Ancient Buildings www.spab.org.uk

useful information on how to maintain/renovate older buildings (and how to avoid inappropriate mixes of old and new technologies)

Total Solutions – assessment, planning and management

Simply Green



Simply Green makes your home green. We provide everything you need to upgrade your home, from helping you understand all of the options and advice on the best investment through to installation and finance choices. Information We provide a free book packed with all the information you need on going green Assessment. Our experts recommend the most suitable improvements for your specific home Installation. We organise and manage installation on your behalf. Smart finance schemes to make payment as easy as possible.

Contact Caio Buzzolini on: call-me@green-upgrade.com
01865 399 468 www.green-upgrade.com/contact

Race Energy - Paul Colbourne

Renewable, conventional and efficient energy products and solutions

Our business has 40 years of experience, is CORGI registered, holds a city and guilds in heating efficiency.

We have a showroom and accredited training centre with working installations of:

- Thermal Solar
- Heat Pump
- Wind turbine
- Rain water management
- Sun Pipes and
- High efficient gas and electric heating

We offer breakfast mornings as well as training and seminars.
Visit www.raceenergy.com for full list of events and services

Contact: Charly on info@raceenergy.com tel: 01296771045

Oxford Environment Centre

www.oxfordenvironmentcentre.com

Renewable Energy Products supplied and Energy Audits undertaken

info@oxfordenvironmentcentre.com

07930 495344

Ardenham Energy

www.ardenhamenergy.co.uk

Ardenham Energy works for individual homeowners as well as developers, contractors and their consultants. We hope that our technology can help you.

Telephone **01296 331362**

Oxford Eco-design

Rumi Mohideen - 07985 927725

Renewable energy systems

www.oxfordecobuild.co.uk

Architects and Surveyors

A list of 40 architects and builders in Oxfordshire, with details of their experience, is available on the Association of Environment Conscious Builders website www.aecb.net.

Here are some that have been involved or in contact with the Eco-renovation project:

Alistair Binnie Architecture and Environment

www.ab-arch.co.uk

Committed to excellence in the design of energy efficient and environmentally friendly buildings

David Hammond Architect

www.hammondarchitect.co.uk

Special Expertise in difficult and sensitive sites, and renewable energy systems

BermanGuedesStretton

www.bgsarchitects.co.uk

Architects and designers, mainly non-domestic buildings.

Architect Hess Kincaid Leach

Hess Kincaid Leach are Eco Architects dedicated to Environment conscious building. We are a RIBA Chartered Practice. We have extensive design and construction experience.

Having studied specifically Green and Bio-climatic Architecture, our design expertise includes: Passive solar housing, integrating active energy systems, sunspaces and how to integrate them, retrofit and new build energy efficiency with thermal and energy modelling.

Our projects include passive solar houses, listed and historic buildings, extensions, and eco renovations.

We embrace a holistic approach, looking at each project in the round; we see the building as an organism rather than a machine, where above all, human beings play a part in designing and living a complete solution.

Contact: Paul Leach

01865 249691 leachvenningpaul@yahoo.co.uk

Andy Paterson Architects

Andy Paterson Architects specialise in a range of largely domestic architecture from historic to contemporary; we are equally experienced with conservation, renovation, extensions or new build.

Our work is defined by the very specific within the wider context of sustainability; the principle is to minimise a building's energy use while maximising its spatial potential.

We advise on and can become involved with projects from concept to completion. Our experience is hands-on as well as design based and we make good relationships with both client and contractor.

Contact:

Ben Tanner

01865 711 266 or 07871 420 368

ben.tanner@ntlworld.com

Andy Paterson

07855 301 568

andypatersonuk@yahoo.co.uk

Low and Zero Carbon Appliance Suppliers

Boilers – gas condensing and wood pellet

Oxford Solar

<http://www.oxfordsolar.co.uk>

Design, supply and installation of Domestic and Commercial Solar Thermal Systems, Wood Pellet and Gas Condensing Boilers

Marc Delman 07740 929305

www.oxfordsolar.co.uk

Eco Living Solutions

www.ecolivingsolutions.co.uk

Wood (pellet and log) burning stoves and boilers

info@ecolivingsolutions.co.uk

Solaris Free Energy - Wayne

01234 315477

www.solarisfreeenergy.co.uk

Wood pellet suppliers, contact for potential energy crop growers, buyer of and converter of raw wood chips into premium pellets.

Biomass Energy Centre www.biomassenergycentre.org.uk

Information on Biomass fuel and heat production

Builders

Property Management Plus Ltd

www.builderbanbury.co.uk

Property Management Plus Ltd are based in Banbury, Oxford. They are a builder and plumber undertaking a wide selection of work.

7 Delapie Drive, Banbury, Oxfordshire OX16 3WP
0845 8068682

Graham J Stockley

www.grahamjstockley.com

All aspects of building work

12 Ruscore Avenue, Banbury, Oxfordshire OX16 2NW
0845 8065854

Flow Well Brickwork

www.builderabingdon.com

Brickwork specialists

10 Caldicot Close, Shillingford, Wallingford
Oxfordshire OX10 7HF
0845 2632894

AJ Builders

www.builderoxford.net

30 years experience, extensions, loft conversions

23 Maple Close
Oxford OX2 9DZ
0845 2631148

Kab (UK) Ltd

www.kab-uk.com

Top class general Building Loft Conversions

Building Alterations, Plumbing, Installations

20 Blenheim Road
Kiddlington
Oxfordshire OX5 2HP
01865 377018

Glazing and Shutters

Under the Building Regulations introduced in April 2002, new replacement windows must contain 'low emissivity' or low E double-glazing (except when in conservation areas or listed buildings).

Berglund Bespoke Windows & Conservatories

telephone Henning Berglund h@berglund.wanadoo.co.uk

01865 736751 – www.outrup.dk

Ground Source Heating

Ice Energy www.iceenergy.co.uk

Ice Energy is the leading Ground Source Heat Pump company with more installations and sales than any other UK company.

Tel: 0808 145 2340

Insulation

Sempatap – Insulation Solid Wall properties (Mould growth consultant)

SEMPATAP THERMAL is thermal insulation on a roll, as easy as wallpaper to apply which dramatically reduces heat loss through cold walls and ceilings.

SEMPATAP THERMAL is approved by The Energy Saving Trust as an energy saving product and is also an EST “Recommended” product for the insulation of solid wall homes.

SEMPATAP THERMAL can be applied to all types of solid wall properties and there is also a variety for floors, it is applied in the following way.



Contact:
Paul Munnion
Mould Growth Consultants

2083370731
Sue.Delaney@mgcltd.co.uk

Igloo Insulation

www.iglooinsulation.co.uk

Loft and wall insulation

mikeroberts@igloo-insulation.co.uk

Lighting, Materials (including paints) and Salvage

ECO-St

Eco-St will help you to reduce your carbon emissions and live sustainably. With nearly **100 different types of low energy light bulbs** and many products to reduce your energy usage, ECO-St can help on several levels. We can help with solar power and rain water harvesting, recycling and composting kits, natural body and baby products, books to inform, wind up torches and radios, solar powered chargers, bags for life and many gifts made from recycled materials.

We have four shops at; Yarnton Nurseries and Chinnor Garden Centre in Oxfordshire, Wyevale Garden Centre at World's End, Wendover, Bucks and Syon Park, Middlesex. See their online lightbulb calculator : <http://www.eco-st.co.uk/Calculator.aspx>

Contact: wendovershop@eco-st.com www.eco-st.com 01296 626001

It Must be Green

It Must Be Green sells environmentally friendly products to help towards a sustainable future. We offer more environmental alternatives to everyday products such as torches & radios, eco gifts & gadgets, and local and recycled items.

Our goal is to bring knowledge about environmental products to our customers to help them make a more informed decision. We look to offer customers what they are looking for and not solely to make money, believing that customers are more important than profit.

Finally, we have tried every single product that we sell - and if we don't like it, we won't sell it. It's as simple as that!

Dorian Hendrie e: dorian@itmustbegreen.co.uk web: www.itmustbegreen.co.uk
Telephone 01491 836401

Lime Technology



Lime Technology is an innovative company, specializing in building materials with low, zero and negative embodied energy. Our expertise allow for the development of low impact buildings at construction stage, and perhaps more importantly, throughout the life of the building. Our most recent development, Hemcrete®, is a composite walling material of industrial hemp and a lime based binder. Other products we have developed, including premixed Lime mortars and renders, enable the reuse and recycling of masonry and Sumatec Unfired Compressed earth blocks, a block made with waste earth clays.

Contact:
Louise McCann
Louise.mccann@limetechnology.co.uk
www.limetechnology.co.uk
0845 6031143

Construction Resources

Central London www.constructionresources.com/
Products and courses for eco-building.

The Green Shop

Near Stroud www.greenshop.co.uk
Suppliers of non-toxic paints and finishes, rainwater harvesting, small-scale renewable energy technology.

Natural Building Store

Oakley, Bucks www.natural-building.co.uk
Specialists in building structure and insulation systems.

Old House Store

near Henley-on-Thames www.oldhousestore.co.uk
For building materials, paints and finishes

Orinoco

01865 761113
Oxford based scrapstore for recycled paint, tools, materials etc...
www.oxorinoco.org

Upton Timber

01235 851866
(reclaimed flooring specialist) – near Didcot www.uptonwood.com
Timber merchants specialising in reclaimed wood
sales@uptonwood.com

Calch Ty Mawr Lime

near Brecon www.lime.org.uk
Products and courses for eco-building.

Green Building Store

near Huddersfield www.greenbuildingstore.co.uk/
Suppliers of insulation, WCs, windows and lots of other building products.

Biojoule – Oxford

01865 207006 www.biojoule.co.uk

Manufacturers of wood pellets, linking farmers and wood crops to suppliers.

Construction Resources

020 7232 1181 www.constructionresources.com

Products and courses for eco-building

info@constructionresources.com

B&Q

www.diy.com

From the small low energy lights, to Wind turbines and solar hot water kits

Unit 1, John Allen Centre

Between Towns Road Oxford OX4 3JP

01865 749339

Ecomerchant

www.ecomerchant.co.uk

One of the UK's leading environmental builders merchant – insulation, paints, windows, lime, sunpipes etc

Adress: Head Hill Road, Goodnestone,

Nr Faversham Kent ME13 9BU

01795 530130

Efficient Lighting

0800 043 8893 www.efficientlight.co.uk

Efficient Light specialise in low-energy lighting, offering a wide range of energy saving bulbs and fittings suitable for indoor lighting and outdoor lighting. Also provide Low energy light bulb libraries.

Email: giles@efficientlight.co.uk

Oxford Wood Recycling

01235 861228 www.oxfordwoodrecycling.org.uk

Waste wood reuse, OWR also offers a professional and competitive collection service to businesses in the region

info@oxfordwoodrecycling.org.uk

Solar Photovoltaic (PV) and Solar Hot water Installations

JHS Power Solutions



<http://www.jhspowersolutions.co.uk>

Independent suppliers and installers of Solar photovoltaic panels and tiles.

JHS are experienced Solar PV installers of domestic, public sector and commercial systems.

We are a member of the REAL (Renewable energy Assurance scheme). We provide free consultations and a site survey with no hidden costs. All our installations are individually designed to fit the needs of our clients and we cater for new builds and retro fit installations. JHS are fully certified with the BRE and EST (Energy Saving Trust) and will help you every step of the way with your grant application.

Contact:

JHS Power Solutions

John / Angie Hill

01295 768262

solar@jhspowersolutions.co.uk

JoJu Ltd

www.joju.co.uk/index.php

Supply, design and installation of Solar Photovoltaic systems, free initial survey and we will help to obtain the relevant grants and subsidies available.

Email joe@joju.co.uk Telephone 0207 2750176

Rayotec

www.rayotec.com

All solar pv / thermal technologies, heat pumps and underfloor heating

Email info@rayotec.com Telephone 01932 78 48 48

Riomay

www.riomay.com

Solar water heating and renewable energy consultants.

jeremyjones@riomay.com Telephone 01323 648641

Oxford Solar

<http://www.oxfordsolar.co.uk>

Design, supply and installation of Domestic and Commercial Solar Thermal Systems, Wood Pellet and Gas Condensing Boilers

Marc Delman 07740 929305

www.oxfordsolar.co.uk

Solar Solutions Direct

www.solsol.co.uk

Eynsham based Solar Solutions Direct are Oxfordshire's own installers of solar hot water systems. The company has knowledge of over 20 years experience in solar technology.

Tel: 01865 884261

Email: office@solsol.co.uk

Solaris Free Energy

01234 315477

Solar Hot Water

www.solarisfreeenergy.co.uk

Wood pellet suppliers, contact for potential energy crop growers, buyer of and converter of raw wood chips into premium pellets.

Aqueco

Aqueco can help you to improve energy and water efficiency in your home. We give a detailed appraisal of your existing heating and plumbing with a range of clear options to make your home more environmentally friendly and cheaper to run. You choose the improvements you want, and we'll make them for you.

Contact:

Nick Atkinson

07791 131 850

mail@aqueco.co.uk

Flooding, Rainwater and Grey water

Emission Strategy Solution Limited (flood prevention)

Whether you're at risk from flooding, or have already been flooded, we offer you a starting point for help. Our carefully selected recommended products and our flood services help you take control of this big risk.

Our recommended products include established, kite-marked, flood prevention kits, and an innovative flood detector offering early-warning of storm or sewer drain overflow.

You can participate in basic or detailed workshops to understand the flood planning process, or produce a signed-off flood plan. If you've been flooded, we offer a chance to step back - turning this disruption into an opportunity to reassess your future.

Contact:

Sue Priest

Managing Director

Emissions Strategy Solutions Ltd

Creating Competitive Advantage from Climate Change

T: 01295 278686

www.ems2.com

Rain Unlimited – Rainwater Harvesting

Rain Unlimited was founded in 2006 by two friends from Abingdon.

We install large underground water tanks, collecting water efficiently anywhere in your garden and your home.

We are not linked to any manufactures and will always seek the most cost effective solution, and only use approved and certified products.

Grey Water installations require extensive plumbing and additional filtering. You should seriously consider this option, when you are renovating your bathrooms.

Contact:

Amatsia Kashti

01235 523266

www.odm.co.uk/rain-unlimited/

GreenScapesDesign

GreenScapes provides design expertise for the creation of sustainable gardens. We specialise in the design of rainwater management systems and gardens with low water use, and use plants to help conserve heat in the house in winter and reduce overheating in summer.

Biodiversity is also a priority, and we encourage the use of indigenous plants, and natural methods of pest and disease control, to create wildlife-friendly environments. For hard landscaping projects we choose our materials with care to minimise the ecological footprint, and promote the use of recycled aggregates, rammed earth, dry stone walling and lime mortar.

Contact: Sarah Milliken

GreenScapes Design, Sunnyside Cottage, Fordwells, Witney

OX29 9PP tel. 01993 878324

www.greenscapes-design.co.uk

Edincare

www.edincare.com

Rainwater harvesting

info@edincare.com

Unit 10, Avebury Court, Mark Road, Hemel Hempstead HP2 7TA

01442 211554

Ventilation

CVC Direct

www.cvcdirect.co.uk

Ventilation and Vac
info@cvcdirect.co.uk Unit B, The Croft, Whitely Road
Hithercroft Industrial Estate Wallingford OX10 9RG
01491 836666

Vent-Axia

www.vent-axia.com

Ventilation and Heat recovery
solutions@vent-axia.com
Solutions Centre, Fleming Way, Crawley, West Sussex RH10 9YX
01293 427871

Grants

The grants situation is constantly changing. Grants are available from Government, Local Government, District Councils and Energy Suppliers and we will try to keep these up to date on our web site.

In addition there may be special discounts from suppliers or group discounts in your area which we may not be aware of.

Government Grants

Government Grants for energy saving improvements are currently limited to £2500 per household and your supplier will be able to advise you if you qualify. The scheme is administered by the Energy Saving Trust and further details appear on www.lowcarbonbuildings.org.uk

Insulation grants are available to those on benefits through the **Warm Front** Scheme and full details of the conditions are available on <http://www.warmfront.co.uk/>

A grant of £1500 is currently available from NPower for the installation of an Ice Energy heat pump. Any other grants available will be advised to you by the supplier you choose.

British Gas offer free loft and wall insulation to those over 70 who are British Gas Customers see <http://www.britishgas.co.uk/>

Energy Saving Trust

has a good "Grants and Offers" search at <http://www.energysavingtrust.org.uk/proxy/> where you can enter your postcode and find out what is available in your area.

Oxford City Council

Provides information on a range of grants on <http://www.oxford.gov.uk/environment/grants.cfm>
In addition they offer to Loft insulate or Cavity Wall Insulate for £109 inc vat. 0800 107 0047.
Courses and trainings – see <http://www.oxfordismyworld.org/renewable.html>

South Oxfordshire

Makes available discounts on wall and loft insulation through the **Big Green Insulation Scheme (now Cocoon)** <http://www.southoxon.gov.uk>
Cocoon is a national advisory service which does not quote the discounts available locally though it claims to offer them.

Vale of The White Horse

Offers Warm Front and Cocoon as above

West Oxfordshire

Promotes United Sustainable Energy Agency, Cocoon as above

Promotes USwitch to help you choose the best energy supplier in your area
www.uswitch.com

Cherwell

Advice is promoted through the Energy Efficiency Advice Centre (now the Energy Saving Trust) who make available a solar water heating at discount through Solar Savers (who have now closed). Cocoon is promoted as above and an addition £50 discount is available for over 65's. Means tested benefits are mentioned.

Energy Saving Trust

A good "Grants and Offers" search at <http://www.energysavingtrust.org.uk/proxy/> where you can enter your postcode and find out what is available in your area.

Low Carbon Buildings Programme

Provides information on grants for solar panels, mini wind turbines and other green energy equipment for buildings. www.lowcarbonbuildings.org.uk

Courses

Centre for Alternative Technology

www.cat.org.uk

Lots of inspiration, information, courses and a very good mail order service for books and other things. The centre near Machynlleth (mid-Wales) is well worth a visit.

Low Impact Living Initiative (LILI)

Buckinghamshire based Low-Impact Living Initiative (LILI) is a non-profit organisation whose mission is to help people reduce their impact on the environment, improve their quality of life, gain new skills, live in a healthier and more satisfying way, have fun and save money. Plenty of courses including wind and solar electricity, rammed earth and straw bale building, natural paints and lime.

<http://www.lowimpact.org/>

Energy Champions for Homes in Oxford (ECHO) training

Free half day training course from Oxford City Council's Sustainable Energy Team. Get yourself on the waiting list for the next course:

Email: home_energy@oxford.gov.uk

Other sources of info not covered elsewhere in the directory

Sustainable Energy Academy

www.sustainable-energyacademy.org.uk

Promotes education and action to reduce the carbon footprint of buildings and communities

Oxfordshire Green Pages

www.oxfordgreenpages.co.uk

mail@oxfordgreenpages.co.uk

WRAP

www.wrap.org.uk

Waste reduction agency

penny.holmes@wrap.org.uk

Association for Environment-Conscious Building

www.aecb.net

Lots of relevant info, including a highly-informed discussion forum by people who are passionate and knowledgeable about the subject. Directory of environment-conscious building professionals for local builders and other trades.

Price Comparison provided by Ardenham Energy www.ardenhamenergy.co.uk



Ardenham Energy Ltd
Ardenham Court
Oxford Road
Aylesbury
Bucks HP19 8HT
Tel: 01296 331362
Fax: 01296 435747

Price guide

Investment and returns

Technical Specification			Price Information			Return on Investment			Carbon Saving		
Technology	Collector Area m ²	Energy Yield per year (kWh)	Gross cost inc VAT @ 5%	Less Govt Grant	Net Cost to purchaser	Annual Energy cost Saving	Annual Value of ROCs	Annual Return on investment	Annual CO ₂ Saving Kilos	Equivalent to return flight to	Equivalent to driving (miles)
Solar PV											
0.97 kWp Crystalline	8	776	£6,399	£1,944	£4,455	£82.62	£47.50	2.9%	442	Estonia	1,474
1.6 kWp Crystalline	14	1,280	£8,821	£2,500	£6,321	£135	£47.50	2.9%	684	Istanbul	2,280
1.94 kWp Crystalline	16	1,552	£10,129	£2,500	£7,629	£164	£95	3.4%	885	Tel Aviv	2,949
2.6 kWp Crystalline	22	2,080	£12,318	£2,500	£9,818	£219	£95	3.2%	1,186	Baghdad	3,952
2.9 kWp Crystalline	25	2,320	£14,000	£2,500	£11,500	£245	£95	3.0%	1,322	Jeddah	4,408
3.9 kWp Crystalline	32	3,120	£17,777	£2,500	£15,277	£329	£142	3.1%	1,778	Kabul	5,927
4.9 kWp Crystalline	44	3,920	£21,417	£2,500	£18,917	£414	£190	3.2%	2,234	Vancouver	7,447
Solar Hot Water											
2 Collector Evacuated Tube	2.52	70%	£4,651	£400	£4,251	£380	n/a	9%	390	Seville	1,300
3 Collector Evacuated Tube	3.78	70%	£6,528	£400	£6,528	£400	n/a	9%	585	Istanbul	1,950
2 Collector Flat Plate	4	60%	£3,900	£400	£3,500	£300	n/a	9%	350	Rome	1,167
3 Collector Flat Plate	6	60%	£5,760	£400	£5,360	£450	n/a	8%	525	St. Petersburg	1,750
Wind											
300W Roof mounted	n/a	400	£3,500	£300	£3,200	£42	£0	1.3%	228	Aberdeen	573
600W	n/a	700	£5,000	£600	£4,400	£740	£47	2.8%	399	Rome	1,147

Roof mounted											
2.5 kW Ground mounted	n/a	3500	£16,000	£2,500	£13,500	£370	£190	5%	1,505	Montreal	5,016
6 kW Ground mounted	n/a	9500	£24,000	£2,500	£21,500	£1,005	£475	9%	4,085	Honolulu	13,615
25kW Ground mounted	n/a	57000	£65,000	£2,500	£62,500	£6,028	£2,708	9%	32,490	Round World	108,287

Ground Source Heat Pump

6kW	n/a	50 to 75%	£6,120	£1200	£4,920	£618	n/a	9%	634	Istanbul	2,115
8kW	n/a	50 to 75%	£8,230	£1200	£7,030	£845	n/a	9%	868	Tel Aviv	2,892
10kW	n/a	50 to 75%	£10,600	£1200	£9,400	£1,073	n/a	9%	1,101	Kuwait	3,669
15kW	n/a	50 to 75%	£13,000	£1200	£11,800	£1,610	n/a	9%	1,652	Kabul	5,511
20kW	n/a	50 to 75%	£15,600	£1200	£14,400	£2,683	n/a	9%	2,753	Toyko	9,184

Notes:

Energy yields assume a good location for solar i.e. south facing with minimal obstruction, and for wind, exposed area with no tall trees or buildings with an average or above UK wind speed (5m/s).

Annual cost saving is based on a typical residential electricity and gas prices. These may change in future, and have not anticipated potential feed in tariffs which will significantly reduce payback on investment.

Depending on electricity supplier/purchaser any electricity produced over 500 kWh PA may be eligible for a Renewable Obligation Certificate (ROC). This is valued at around £46 for every 1000 kWh produced (rounded up from 501 kWh).

Bespoke solutions incorporating solar roof tiles and in roof systems can be provided. The prices here do not provide this.

Carbon saving figures based on standard car achieving 35mpg.

DOMESTIC PROJECTS

Prices are based on residential VAT rates of 5%.

Include Yourself!

If you're an eco-renovation installer, supplier or advisor in Oxfordshire and would like to be included in the directory, please email toni@coinet.org.uk with the following details:

- Name of company
- Name of contact
- Phone number
- Email
- Website
- 100 word description of your services
- Logo

We will update the directory bi-monthly.