

# Resource Guide

This guide provides details of organisations, equipment suppliers and publications concerned with the topics covered in this booklet. The inclusion of any company does not constitute a recommendation for that company's products or services. Potential customers are advised to contact several companies to compare products, services and prices. You are directed to the Resource Guide in Tapping the Sun for further information, including suppliers of ready-made equipment. Please use the order form provided.

## Organisations

### CENTRE FOR ALTERNATIVE TECHNOLOGY

*Machynlleth, Powys SY20 9AZ.*

*Tel. 01654 702400 Fax. 01654 702782.*

*email. info@catinfo.demon.co.uk*

Visitor centre with displays and information on solar water heating systems including DIY. Provides information, consultancy, public courses and publications on environmental building, alternative sewage systems, organic gardening, renewable energy and energy efficiency. Mail order service.

### NATIONAL ENERGY FOUNDATION

*3 Benbow Court, Shenley Church End, Milton Keynes, Bucks. MK5 6JG.*

*Tel. 01908 501908 Fax. 01908 504848.*

*email. smreac@natenerg.demon.co.uk*

Independent charity working towards a more efficient innovative and safe use of energy. Promotes energy efficiency through the NHER - National Home Energy Rating Scheme.

### RENEWABLE ENERGY ENQUIRIES BUREAU

*ETSU, B168 Harwell Laboratory, Oxfordshire OX11 0RA.*

*Tel. 01235 432450 Fax. 01235 433066.*

Range of free publications on solar research programmes. Coordinates development of renewable energy in the UK on behalf of the Department of Trade and Industry.

### THE CENTRE FOR ENERGY RESEARCH AND SERVICES

*Dept of Mech.Eng./Energy Study University Of Wales Cardiff, Queens Building, The Parade, PO BOX 685, Cardiff CF2 3TA.*

*Tel. 01222 874314 Fax. 01222 874317.*

*email. sprattmr@cardiff.ac.uk*

Information on solar energy. Basic, applied and policy research; performance testing service for solar thermal and solar electric systems. Also manufactures and supplies world-wide testing equipment. Publish research reports in various scientific and technical journals. Only approved testing centre in the U.K.

### SOLAR TRADE ASSOCIATION

*Pengillan, Lerryn, Lostwithiel, Cornwall PL22 0QE.*

*Tel/Fax. 01208 873518.*

Aims to maintain standards within the solar industry and to promote the use of solar power in general. Codes of conduct, list of members available. National enquiry centre.

### THE SOLAR CLUBS PROJECT

*c/o The Centre for Sustainable Energy, The Create Centre, B-Bond Warehouse, Smeaton Road, Bristol BS1 6XN.*

*Tel. 0117 929 9404 Fax. None.*

Pilot scheme in Bristol and Leicester with DTI funding. Aims to

halve the cost of installing solar panels by bulk buying equipment and providing training so that people can more easily DIY solar water heating. Prices expected to be between £1000 and £1500. The contact in Leicester is Environ 0116 222 0222.

### UK-ISES (INTERNATIONAL SOLAR ENERGY SOCIETY UK) SECRETARIAT

*Department of Engineering, Brookes University, Gypsy Lane Campus, Headington, Oxford OX3 0BP.*

*Tel. 01865 484 367 Fax. 01865 484 263.*

*email. uk-ises@brookes.ac.uk*

Promotes all forms of solar and other renewable energy. Communicates ideas and developments through conferences and publications. Membership open to both professional and interested lay-people.

## Suppliers and Manufacturers of D-I-Y Kits

### AES

*The Park, Findhorn Bay, Forres, Morayshire IV36 0TZ.*

*Tel. 01309 676911 Fax. 01309 671086.*

*email. aes@findhorn.org*

Supplies and installs lightweight high performance flat plate solar collectors and DIY kits.

### BREDONDALE SOLAR

*5 Smiths Way, Pershore, Worcs. WR10 1QP.*

*Tel. 01386 561133 Fax. 01386 556555.*

*email. bredondale@aol.com*

Installer of Thermomax evacuated tube systems. Swimming pool heating. DIY kits supplied. Member S.T.A.

### DULAS Ltd.

*Dyfi Eco Parc, Machynlleth, Powys SY20 8AX.*

*Tel. 01654 705000 Fax. 01654 703000.*

*email. dulas@gn.apc.org*

Renewable energy company experienced in all aspects of R.E. from policy formation and market stimulation to design and implementation. Focuses on commercial applications of solar water heating, R&D into low cost heat meters for solar water heaters and market development.

### ENERGY ENGINEERING

*Heron's Reach, Cound Moor, Shrewsbury, Shropshire SY5 6BB.*

*Tel. 01694 731648 Fax. 01694 731696.*

*email. energyengineering@btinternet.com*

Over 20 years experience in manufacturing and installing solar water heating systems including swimming pools and DIY kits. Design service, consultancy also offered. Member S.T.A.

## NATURAL ENERGY SYSTEMS

2 Arderon Court, Adelaide Street, Norwich, Norfolk NR2 4ER.

Tel. 01603 661863 Fax. 01603 618 145.

Designs, supplies and installs domestic/commercial solar hot water and swimming pool systems. Central heating/plumbing, repairs.

## SENSIBLE ENERGY SYSTEMS

The Moorings, Pilgrims Lane, Chilham, Canterbury, Kent CT4 8AB.

Tel. 01227 731169 Fax. None.

Energy conservation consultancy for detailed design of industrial energy efficiency measures, management and solar energy thermal systems.

## SOLAR COMPANY

Solar House, Victoria Drive, Eastbourne, E. Sussex BN20 8LG.

Tel. 01323 646979 Fax. 01323 411224.

email. dsolarco@aol.com

Supplies and installs Thermomax tubes, also service other solar systems - NOVITHERM (insulation panel for use behind radiators); DIY solar kits. Low cost pool heating.

## SOLAR SENSE

c/o The Environment Centre, Pier Street, Swansea SA1 1RY.

Tel. 01792 371690 Fax. 01792 371390.

Installs and supplies solar heating and electrical systems. Full range of new and second hand equipment. Practical advice and technical support to contractors, DIY installers and architects. Supplies a solar pump board which consists of a complete control/pump kit for DIY installers and plumbers.

## SOLAR STORE

1 Bush Farm Cottages, Acrise, Folkstone, Kent CT18 7EA.

Tel. 01303 892491 Fax. None.

Manufactures solar hot water systems, install flat plate systems, supplies DIY kits. Member S.T.A.

## SOLARWORKS

c/o Mark Norman, Frogs Hall Farm, Lavenham, Suffolk CO10 9QH.

Tel. 01787 247359 Fax. 01787 248458.

Supplies and installs all forms of solar water heating, including flat plate collectors, evacuated tubes and DIY kits. Swimming pool heating systems. Member S.T.A.

## SUNDWEL SOLAR Ltd.

7 Tower Road, Glover Industrial Estate,

Washington, Tyne and Wear NE37 2SH.

Tel. 0191 416 3001 Fax. 0191 416 3001.

email. solar@sundwel.com

Specialises in water (flat plate systems) heating, offers a design service, supply of materials and installation instructions. DIY kits. Manufactures and supplies direct to the construction industry. Member S.T.A.

## Solar absorbers (paint and 'clip fins')

### CENTRE FOR ALTERNATIVE TECHNOLOGY

(See Organisations)

Supplies clip-fin solar collectors designed to clip onto standard 15mm copper water pipe. Each fin measures 380 x 200mm. Can supply any number from one upwards.

## PULLMAN PANS

Eastfield Ind. Est., Penicuik, Edinburgh, Scotland EH26 8HA.

Tel. 01968 678386 Fax. 01968 678918.

Manufactures solar clip fins which can be clipped over standard 15mm copper piping. Bakeware manufacturers.

## Insulation

(For insulating DIY panels). We recommend Warmcel, made from fireproofed recycled newsprint - highly effective, non-toxic, non-irritant. This is available in 8kg bags - enough for four panels.

## EXCEL INDUSTRIES

13 Rassau Ind Estate, Ebbw Vale, Gwent NP3 5SD.

Tel. 01495 350655 Fax. 01495 350146.

email. excel.ind@btinternet.com

Manufacturer of WARMCEL cellulose fibre insulation, made from recycled newspaper. Developed 'breathing' wall system. Good environmental record.

## Solar anti-freeze

### FERNOX FRY TECHNOLOGY UK

Tandem House, Marlow Way,

Beddington Farm Road, Croydon, Surrey CR0 4XS.

Tel. 0181 665 666 Fax. None.

Supplier of Alphi -11 non-toxic anti-corrosion and anti-freeze, and Superfloc low toxic system cleaner to protect and clean your system. Technical help number 01799 550 811.

## Pumps

### GRUNDFOS PUMPS Ltd.

Grovebury Road, Leighton Buzzard, Bedfordshire LU7 8TL.

Tel. 01525 850000 Fax. 01525 850011.

Manufactures various pumps. Heating, hot water and chilled water circulation, water boosting, supply and distribution, cooling, condensate, drainage, sewage and other general pumping applications. Solar powered pumping systems

## Plastic Glazing Materials

### FILON PRODUCTS Ltd.

Aldridge Road, Streetly, Sutton Coldfield, B74 2DZ.

Tel. 0121 353 0814 Fax. 0121 352 0886.

Manufacturer of glass fibre sheet glazing, will advise on local distributors

### FORMERTON SHEET SALES Ltd.

Unit 39, City Industrial Park, Southern Road,

Southampton, Hampshire SO1 0HG.

Tel. 01703 332761 Fax. 01703 225148.

Stocks and distributes plastics and polycarbonate glazing materials. They have good light transparency, high insulation, high impact strength and excellent durability which combine to provide an energy conserving glazing material.

### INCO ALLOYS Ltd.

Wiggen Works, Holmer Road, Hereford HR4 9SL.

Tel. 01432 382200 Fax. 01432 264030.

Manufacturer of Maxorb, materials designed to absorb but not re-radiate solar energy, from which you can make other types of collectors.

## Timber treatment and paint

### AURO ORGANIC PAINT SUPPLIES Ltd.

Unit 1, Goldstones Farm, Ashdon,

Saffron Walden, Essex CB10 2LZ.

Tel. 01799 584888 Fax. 01799 584042.

Manufacturer of organic paints and full range of adhesives and wood treatments. Uses only naturally occurring ingredients in low-energy production process.

## CONSTRUCTION RESOURCES

16 Great Guildford Street, London SE1 0HS.

Tel. 0171 450 2211 Fax. 0171 450 2212.

email. info@ecoconstruct.com

Builders merchant specialising in ecological materials - natural paints, clay bricks, insulation and flat plates and evacuated tubes for solar water heating and space heating

## JOTUN-HENRY CLARK Ltd.

Unit 16, Alston Dr., Bradwell Abbey, Milton Keynes, Bucks. MK13 9HA.

Tel. 01908 321818 Fax. 01908 315073.

Water based and low solvent paint systems for wood, steel and concrete surfaces.

## LIVOS NATURAL PAINTS

Unit D7, Hawes Craft Centre, Jackfield, Ironbridge, Shropshire TF8 7LS.

Tel. 01952 883288 Fax. 01952 883 200.

Manufactures and supplies natural paints and finishes by mail order, including wall paints, glosses, wood varnishes and floor oils.

## NUTSHELL NATURAL SUPPLIES

Hamiyn House, Mardle Way, Buckfastleigh, Devon TQ11 0NR.

Tel. 01364 642892 Fax. 01364 643888.

Manufactures and supplies environmentally friendly paints, wood treatments, pigments and wallpaper paste.

## Solar controllers

### DULAS Ltd.

(See DIY Kits).

### ELECTROMAIL

P.O. Box 33, Corby, Northants NN17 9EL.

Tel. 01536 204555 Fax. 01536 405555.

Mail order service. Stock includes solar system controllers components.

### HAWCO Ltd.

Cathedral Hill Industrial Estate, Guildford, Surrey GU2 5YB.

Tel. 01483 560606 Fax. 01483 575973.

email. sales@hawco.co.uk

Distributor of temperature and pressure instruments, controls and related products. Range of solar applications - detectors / pyrometers.

### MAPLIN ELECTRONICS

P.O. Box 777, Rayleigh, Essex S56 8LU.

Tel. 01702 554155 Fax. 01702 554001.

email. recipient@maplin.co.uk

Supplies individual components of solar controllers by mail order.

### RAYDAN Ltd.

The Sussex Innovation Centre, Science Park Square,

Falmer, Brighton, Sussex BN1 9SB.

Tel. 01273 704442 Fax. 01273 704443.

email. sales@raydan.com

Supplier of differential temperature controllers for solar heating systems.

## Consultants and agents

Many of the organisations listed will offer advice and consultancy, in particular the Centre for Alternative Technology. Surveys may well include other aspects of energy generation and conservation.

## Publications

The following books are available from C.A.T. Please use the mail order form opposite, or photocopy it. (There is a full colour book and products catalogue covering all aspects of sustainable technology available for five second-class stamps.) Prices correct at time of printing.

### C.A.T. Publications:

#### A Pupil's Guide to Solar Power

£ 1.50

CAT Publications, (1992) 12pp.

Project resource booklet for GCSE.

#### Renewable Energy Resource Guide

£ 1.50

CAT Publications, (1994) 8pp.

General useful contacts, suppliers and further reading.

#### Solar Energy Factsheet

£ 2.50

CAT Publications, (1995) 8pp.

General introduction to the many ways of tapping the sun's energy.

#### Tapping The Sun

£ 3.50

CAT Publications, NF1 (1995) 16pp.

Describes various layouts for your plumbing system to cope with solar water heating.

#### Wired Up To The Sun

£ 3.95

CAT Publications, NF4 (1994) 32pp.

Introduction to photovoltaics and their applications including domestic sized systems.

### Other books:

#### Heating water by the Sun

£ 8.00

Solar Energy Society, 2nd edn. (1995) 22pp.

A layperson's guide to the use of flat plate solar collectors for domestic water heating and for heating swimming pools.

#### Hot Water From The Sun

£ 24.99

J. Streib, 2nd edn. (1992) 134pp.

In depth guide on how to construct your own solar panel. Included are specific site examples and scientific data.

#### Practical Solar Handbook

£ 6.95

Bushell, (1998) 24pp.

Demystifies the installation of solar hot water systems. Intended for the reasonably capable DIYer it covers the basic essentials.

#### Solar Energy in Building Renovation

£ 15.00

International Energy Agency, (1997) 64pp.

Solar design can play an important role in building renovation. This series of four brochures introduces the strategies and considerations required for major renovation concepts, etc.

#### Solar Homes in London

£ 1.00

Kinslake & Bond, NATTA (1985) 26pp.

Illustrated tour of over 200 houses fitted with solar panels.