



Galilea Energy
www.galileaenergy.com

GREEN DRAGON ENERGY
www.greendragonenergy.co.uk



Renewable Energy Weekend

Poznań, Poland

A two-day courses on the range of renewable energy technologies currently being installed in Europe.

The course will be bilingual – in both English and Polish



**Solar Electricity
Solar Water Heating
Wind Energy
Wood Energy & Biofuels
Heat Pumps
Hydro-power**



VENUE: Galilea Energy, Poznań, Poland

VENUE WEBSITE: www.galileaenergy.com

COST: € 300 (includes buffet lunch on both days)

DATES: November 2008, actual weekend yet to be decided.

REGISTRATION: To register phone + 48 61 832 77 76 ext. 123
or email: information@galileaenergy.com

ACCOMMODATION: Ring Joanna Kalisz for further details, tel: + 48 61 832 6075,
(hotel near venue).



Galilea Energy
www.galileaenergy.com

GREEN DRAGON ENERGY
www.greendragonenergy.co.uk



COURSE THEMES

Renewable energy overview - the range of renewable energy technologies suitable for use in urban and rural environments environments.

Energy and electricity – quantifying energy, electricity and power.

Solar electricity - the solar resource, quantifying solar energy available, PV modules, grid-tied PV systems, Building Integrated PV (BIPV), stand-alone PV systems, system design and sizing.

Solar water heating - solar water heating, flat plate collectors, evacuated tubes, solar-assisted central heating, solar cooling, system design and sizing.

Wind energy - the wind resource, wind speeds and wind energy principles, types of wind turbines, large/small, grid-tied/stand-alone, limitations on harnessing wind energy in built-up environments.

Wood energy and biofuels- biomass, bio-gas, bio-liquid fuels, applications (building heating, transport), effective heat distribution in buildings, case studies, wider environmental issues.



Heat pumps - types of heat pumps (ground-, water- and air-source), heating (and cooling) buildings with heat pumps,

Hydro-power – principles of hydro-power, types of hydro systems, sizing hydro systems.

Project assessment – overview of main issues involved in planning and renewable energy projects, possibilities and limitations.



Galilea Energy
www.galileaenergy.com

GREEN DRAGON ENERGY
www.greendragonenergy.co.uk



Renewable Energy Weekend*

Course Schedule

Friday	10.00 – 16.30 (1 hour lunch)	Renewable energy overview Energy, power, electricity Solar electricity Solar water heating
Saturday	10.00 – 16.30 (1 hour lunch)	Wind energy technology Wood energy & biofuels Heat pumps Hydro-power

On completion of the course participants should be able to assess how appropriate a particular technology is in a given situation and do initial system design and sizing. The emphasis will be on how renewable energy technologies work.

For information on course contents, please contact
Frank Jackson

GREEN DRAGON ENERGY

Tel: 00 49 (0) 30 486 249 98 (Berlin)

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

info@greendragonenergy.co.uk



For more information on the historic Polish city of Poznań, there is an informative Wikipedia article at <http://en.wikipedia.org/wiki/Pozna>

Poznań has good rail connections and an international airport.

* Adjustments to the course schedule may be made