



Sustainable Energy in Buildings

Complete range of low carbon solutions for new and existing buildings

The buildings sector accounts for 40% of the EU's energy requirements and offers the largest single potential for energy efficiency. IT Power's energy in buildings team offers a full range of low carbon solutions for new and existing buildings.

IT Power has carried out feasibility studies, system design and specification, tender evaluations, project management and commissioning and monitoring of a wide range of projects incorporating sustainable energy technologies into buildings.



A pioneer of solar photovoltaics (PV) in buildings in the early 1990s, IT Power has been at the forefront of PV technology and market developments ever since. The company has designed and implemented numerous PV projects using a variety of Building Integrated PV (BIPV) methods.

IT Power's wind team has designed numerous small-scale wind energy schemes including using novel roof-top wind integration methods.

Experience in sustainable energy for heating includes the technical appraisal and scheme designs for wood chip and wood pellet heating. IT Power has also designed CHP systems and has designed and managed the installation of solar water heating systems.

IT Power has worked with architects and building designers to incorporate passive solar design and optimise energy efficiency.

IT Power has made numerous feasibility assessments of solar water heating, photovoltaics, small scale wind and biomass heating to meet the energy needs of sports facilities, schools and local authority offices.

Our services include:

Energy audits and recommendations for energy savings

Pre-feasibility and feasibility surveys for all renewable technologies and CHP

Design advice in meeting the requirements of the Code for Sustainable Homes and Breeam

Implementation of energy efficiency, renewable energy and CHP projects

Scheme design and system specification

Energy monitoring

Project management

IT Power has worked with several regeneration and renewal programmes, incorporating sustainable energy into new build and refurbishments projects.

The firm is fully conversant with the design needs of the building sector and proficient at integrating into project teams. IT Power has also been highly successful in obtaining project funding from National and European programmes.

The company's experience includes:

CHP feasibility, design, specification and project management including options for the use of biomass

Renewable technologies (including PV, solar water heating, wind) feasibility, design, specification and project management

Improved heating system design, specification and project management including heat emitters, controls and high efficiency boilers



In Sheffield IT Power's team provided advice to the City Council and the development team in achieving environmental excellence and Code for Sustainable Homes Level 4 for a new housing development in the north of the city.

IT Power is a leading sustainable energy consultancy providing world class expertise and services. The company has over 25 years experience in renewable energy and low carbon solutions. IT Power offers independent advice, without affiliation to any project developers or equipment suppliers.



If you would like to discuss your project ideas, please contact us at:

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IT Power also has offices in Australia, China, Fiji, India, Kenya, South Africa and Uganda