



An Introduction to

 **nsite Renewables**  
*Helping Business help the World*

“ We are constantly looking for ways of reducing our energy consumption and our energy spend. Onsite Renewables help us to come up with ideas as to how we can do that. ”

**Paul Eggleton**  
Energy Manager, O2

“ It was Onsite Renewables absolute independence that led us to select them as our partner. Most other companies were limited to a particular field or to a specific technology. Onsite Renewables have access to all of the latest technologies and will independently assess which ones will work for you. ”

**Robert Grant**  
Energy Manager, Berkhamsted School

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# Company Profile

Onsite Renewables LTD works in partnership with TOP UK and international Engineers, with a combined aim to support the expanding UK renewable energy market. We are an Independent consultancy specialising in the assessment, development, design and project management of all renewable energy projects.

We provide consultancy on a wide range of technologies ranging from large scale wind, hydro, solar and marine right through to the various micro-generation and building integrated technologies. Our consultants can also help you develop your energy strategy, to help you understand your current energy usage and set and meet targets for the future. Our team can also provide support in obtaining grants, accreditations, EPC's, DEC's and Air Conditioning Surveys.

We are a team of dedicated, highly motivated professionals with hands-on experience of Project Development and Management, both in the UK and internationally. The team covers a number of disciplines, with each member having specialist skills as well as a broad understanding of Renewable energy and the principles of sustainability.

We also have developed a plain-speaking programme of carbon reduction workshops that embed savings into the company's culture, we tailor-make a range of courses and produce DVD's for induction training and energy efficient awareness campaigns – we can demonstrate by educating your staff you can make a significant reduction in your energy bills without any capital spend!

## Our Aims

- Increase the amount of energy generated by renewable energy sources
- Develop profitable renewable energy projects for our clients
- Bring environmental, economic and social benefits to local and regional communities in the International arena
- Make a major contribution to sustainable development
- Promote and increase awareness of the benefits of renewable energy
- Reduce the amount of CO<sub>2</sub> emitted globally.

# About Us

The people who make up the partnership have a long association with renewable energy consultancy, project work and carbon reduction. Experience includes the development of a Micro Hydro scheme at a Water Mill in Hertfordshire, Renewable Energy opportunity audits for Schools, Sports Centres and Local authorities, Grant and funding advice to London boroughs, other clients include Ofgem in central London and the Institution for Mechanical Engineers (ImechE). Recent projects have included a large size Wind Turbine feasibility study for o2 and Technical advice for new build developments for developers; both Office and Domestic.

A combination of technical, business and project delivery expertise, together with a strong commitment to the philosophy of sustainability and renewable energy, enable us to offer our clients an unrivalled range of skills and expertise, leading to the delivery of successful renewable energy Projects.

Our independent status also means that we are not tied to one specific technology or product and can be relied upon to offer impartial advice.

## Services Offered

Onsite Renewables have extensive experience in the power generation industry and have the rare capability to take projects from inception to implementation. Below is a summary of the broad areas in which we offer services:

- Renewable Energy opportunity audits and feasibility studies
- Wind feasibility studies
- Microgeneration Technology advice
- Energy efficiency Audits
- Due Diligence (Technical, Financial)
- Training (Introduction to Renewable Energy)
- Employee awareness and education schemes
- Energy Management and low carbon consultancy
- Project Implementation and Management
- Developing and facilitating a company energy and carbon reduction strategy
- Tailor made products such as DVDs and resource materials
- Energy efficient/Low Energy lighting design and installation
- Energy Performance Certificates (EPCs)/Display Energy Certificates(DECs)/air conditioning surveys
- Thermal image assessments
- Grant and/or Accreditation identification and application



## Low Carbon Services

Onsite Renewables LTD is committed to helping to reduce carbon emissions in the built environment.

UK legislation now increasingly requires developers to fully explore the opportunities for incorporating embedded low carbon and renewable energy technologies as part of the planning application process; This requirement has been driven via the planning framework through the introduction of policies such as PPS22 and SPP6. This has in turn resulted in the widespread adoption of Merton Rule type policies by individual councils.

Our Low Carbon Services team can offer help and advice at all stages of a project incorporating Renewable energy into the built environment. Our proven track record in the fields of resource assessment and technology specification makes us ideal companions from project inception.

The team's expertise encompasses micro-generation and building integrated renewable energy technologies as well as energy efficiency. We can provide renewable energy audits, resource assessments and technology advice to developers, architects, communities, planners and local Government.

In addition to providing technical help we can also advise on the legal and regulatory framework relevant to incorporating renewable energy into the built environment.

## Green Man (Low Carbon Consultant)

**Employees and staff are the bread and butter of every business; they are generally the main users of Energy in your organisation.**

Onsite Renewables Ltd work with staff and Management to bring carbon reduction and energy efficiency into your business, making it a way of life!

A recent project resulted in an immediate 8% reduction in carbon footprint and utilities costs, above and beyond capital expenditure, through the behavioural change programme.

**Onsite renewables can provide the following services:**

- Develop and facilitating a company Carbon reduction strategy with key stakeholders to target a reduction in carbon footprint and utilities costs
- Developing a practical, plain-speaking programme of Carbon reduction workshops to embed savings into the company's culture.
- Tailor made products such as DVD's and resource materials to assist your energy reduction/carbon reduction awareness programme.
- Assist in employee/student induction courses.



## Low Energy Efficient Lighting

Did you know that lighting contributes to approximately 40% of the electricity demand of a business?

Did you also know that if you currently have T8/12 fluorescent tubes that by converting your fittings to T5's by way of a "Save It Easy" adapter that you can instantly make savings of up to 50% on your lighting bills? Ask our lighting team for more information and a quote.



## Energy Performance Certificates (EPCs), Display Energy Certificates (DECs) and Air conditioning surveys

**Onsite Renewables consultants are qualified to carryout DEC's, EPC's Air Conditioning Surveys.**

The European Energy Performance of Buildings Directive (EPBD) requires member state governments to tighten up the performance criteria for new buildings and also to introduce a rating system for existing properties, the certificates for which must be produced prior to any property transaction. The EPBD also requires member states to require inspection of air conditioning plant and either inspection of or advice for the improvement of boiler installations.

**The UK government has therefore introduced:**

**Part L (2006)** – which governs the energy performance of new buildings

**EPC's for dwellings** (part of HIPS) – which rates dwellings

**EPC's for non-dwellings** – which rates all other buildings

**DEC's for public buildings** – which rates the occupier of public buildings

**Air Conditioning Inspections** - which requires an inspection and provides improvement advice for air conditioning plants

# Previous Experience

**Client:** JOHN SISK AND SON LTD  
**Technology:** Ground Source heat pumps, two rooftop mounted wind turbines, solar thermal, Photo voltaic  
**Services:** Technical advice and advising on Renewable Energy Strategy, manage a risk workshop  
**Description:** Providing John Sisk and Son (a Mechanical & Electrical contractor) with technical advice, manage a risk workshop to review a client's renewable energy report, part of a tender document, and then outline proposals for the renewable energy solutions within the report. developed a strategy for the project, and the company, to maximise the most economic and least risk

**Client:** FROGMORE MILL. THE APSLEY PAPER TRAIL  
**Technology:** Air source heat pump, solar, hydro, Voltage power optimisation, heat recovery, variable speed drives.  
**Services:** Project Management and Technical advice  
**Description:** Providing the Project Management, Technical advice on the Installation and Integration of all the technologies.

**Client:** O2 LTD  
**Technology:** Wind  
**Services:** An assessment of the feasibility of a medium sized wind turbine  
**Description:** O2 requested that the wind turbine option of the audit is investigated in more detail with the preference towards a medium sized wind turbine.

**Client:** DEPARTMENT OF HEALTH  
**Technology:** Solar, ASHP, Energy efficient measures  
**Services:** Renewable Energy Audit, Funding advice and Bid Preparation  
**Description:** Provided a Renewable Energy audit identifying various Renewable Energy technologies and energy efficiency measures.

**Client:** O2 LTD  
**Technology:** Wind, solar, hybrolight, sunpipes  
**Services:** Renewable Energy Opportunity Audit; energy demand assessment; funding advice  
**Description:** Assessed the potential for renewable energy generation and provided solutions for energy savings at their Call Centre

**Client:** INVESCO PERPETUAL  
**Technology:** Solar PV, Ground source Heat Pumps  
**Services:** Renewable Energy Opportunity Audit; energy demand assessment.  
**Description:** Assessed the potential for renewable energy generation and provided solutions for energy savings at their offices in Henley upon Thames

**Client:** WYCOMBE DISTRICT COUNCIL  
**Technology:** Wind, Solar Thermal, Photo-voltaic  
**Services:** Renewable Energy audits  
**Description:** Carried out full renewable energy audits at three of their sports centres, identified all solutions costs paybacks and available grants.

**Client:** BERKHAMSTED SCHOOL  
**Technology:** Wind, Photo – voltaic, Voltage power optimisation  
**Services:** Renewable Energy Opportunity Audit; energy demand assessment; funding advice  
**Description:** Identified all forms of Renewable energy technologies for the school, their costs, paybacks full funding and Grant advice

**Client:** INSTITUTION OF MECHANICAL ENGINEERS (IMECHE)  
**Technology:** Photo – voltaic, Solar thermal  
**Services:** Renewable Energy Opportunity Audit; energy demand assessment; funding  
**Description:** Identified all forms of Renewable energy technologies, their costs, paybacks full funding and Grant advice at their central London offices

**Client:** WALSH MANOR (IRELAND)  
**Technology:** GSHP, ASHP, Solar thermal, Photo-voltaic, Wood pellet burners  
**Services:** Renewable Energy audit and design advice  
**Description:** New build house, working with the client to design the optimum use of renewable energy

**Client:** LONDON BOROUGH OF HILLINGDON  
**Technology:** Micro Hydro  
**Services:** Funding and Grant advice  
**Description:** Identifying all sources of funding for a micro hydro scheme, talking to all funders and establishing likely success rate.

**Client:** TREATY SHOPPING CENTRE  
**Technology:** Solar Thermal, Photo - voltaic  
**Services:** Renewable Energy Opportunity Audit; energy demand assessment; funding  
**Description:** Identified all forms of Renewable energy technologies for the shopping centre, their costs, paybacks full funding and Grant advice

