



The Property People

# On-site renewable energy generation

## Introduction

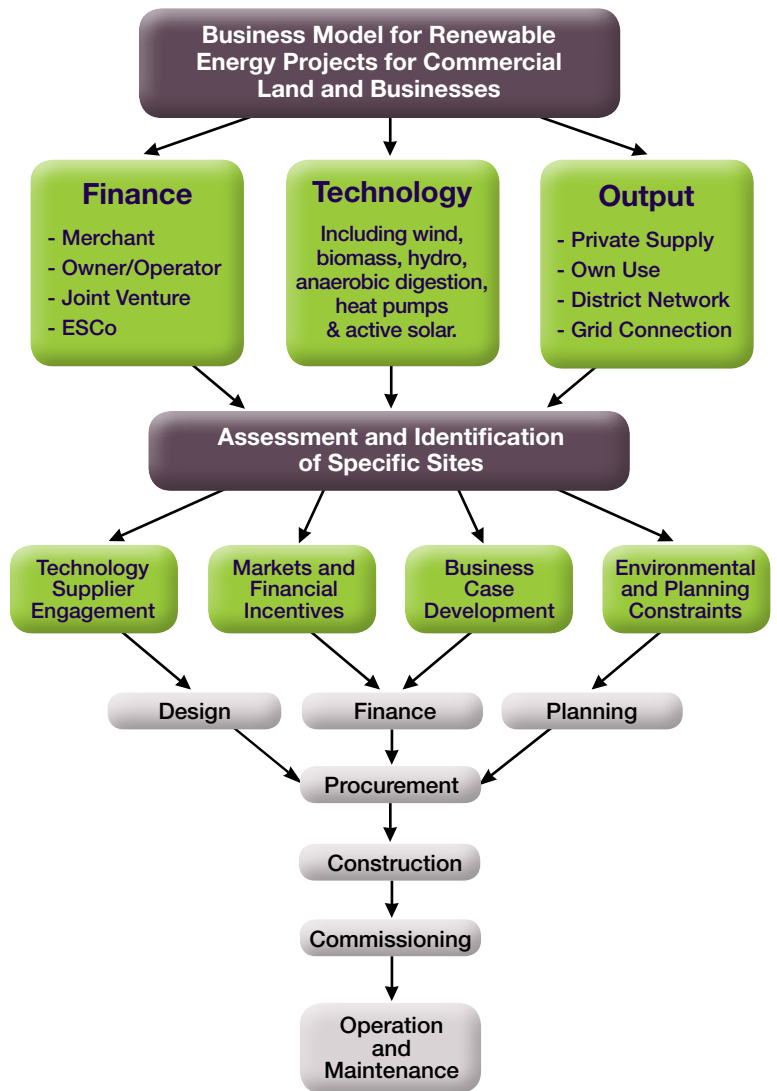
A consortium of specialist consultants, led by Carter Jonas, have brought their expertise together to offer an integrated, innovative and flexible approach that allows clients to establish their own source of renewable energy, which can either be owned or ultimately sold to a specialist renewable energy operator.

We can manage the entire project on behalf of a client, taking the initial concept, through feasibility and financial modelling, planning, design, construction and commissioning. Alternatively, we can manage specific project tasks.

This service is ideal for clients who aim to exploit their assets for energy production and achieve a sound financial return, it is particularly suitable to operations with high energy demands and those who have suitable site resources.

## Objectives

- To provide a site with its own energy output from renewable sources, reduce the client's greenhouse gas emissions and provide a sound financial return;
- To contribute to regional and sub-regional renewable energy and carbon reduction targets;
- To support the client's corporate social responsibility (CSR) strategies, many of which now include 'green' energy production and usage; and
- To contribute to corporate resource efficiency aspirations.



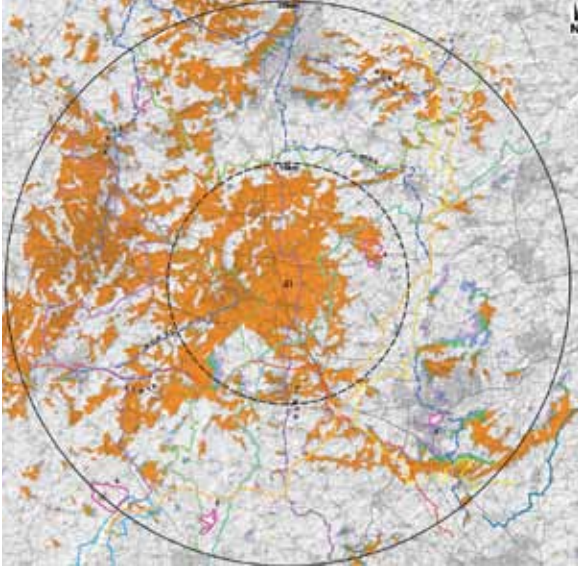
## Who we are:

Carter Jonas is a national firm of property consultants with a specialist Energy Team that can offer advice on site suitability and feasibility, including financial modelling and specialist environmental planning. Our experts have a thorough understanding of property ownership, planning and permitting systems relating to renewable energy and industrial based developments. We act for a wide range of the clients, including major "blue chip" institutions, utility operators, public and private companies and private property owners.

Through our knowledge of the sector and the planning system we can assemble a team of well-respected environmental specialists who have a demonstrable track record of delivering successful projects both at the application stage and acting as expert witnesses should they be required.

## Case studies:

### Yelvertoft Wind Farm Planning and Environmental Impact Assessment (EIA)



Your Energy Limited appointed consultants to manage and deliver the preparation of their planning application and the co-ordination and management of specialist consultants to undertake an Environmental Impact Assessment (EIA) for a wind farm development in Northamptonshire. The proposal consisted of 8 wind turbines, each having a capacity of up to 2.5MW, and the associated infrastructure.

The lead consultancy team was responsible for delivery of the full Environmental Statement which focused on the main issues of landscape and ecology effects.

### Tesco Biomass Combined Heat and Power (CHP) Developments



Tesco commissioned the development of a number of biomass fuelled CHP plants at distribution centres in the UK. The CHP plants supply energy to distribution centres in a variety of locations, including business parks and industrial estates. The plants are powered by a number of different fuel sources, including locally grown straw, agricultural and forestry residues such as wood chip and, in some cases energy crops. The plants provide sufficient heat and power for the distribution centres, with excess electricity being exported to the national grid.

## Next steps

It is recommended that a four stage approach be utilised in order to develop a bespoke renewable energy business model for clients.

#### 1. Assist clients to develop strategic objectives

Develop a client strategy in line with objectives including energy consumption, Corporate Social Responsibility (CSR) Policy and investment criteria.

#### 2. Assess and screen site(s) in line with the strategic objectives

Undertake a high level assessment of the Site(s) in order to identify the most appropriate renewable energy technology. Develop a financial model, including funding and applicable grant schemes, high level grid study and planning review.

#### 3. Facilitate the development of a viable project

Develop a site specific business case, engage with appropriate technology suppliers, manage the environmental assessment and planning application, and secure project funding.

#### 4. Project delivery

Provide assistance with project delivery and management, including the co-ordination of equipment delivery, completion of grid connection agreement and PPA and liaison with contractors overseeing construction and commissioning.

## For more information please contact:



#### Peterborough

#### Andrew Watkin — Head of Energy Team

Specialises in providing advice on site negotiations including option and lease agreements, site referencing, land acquisitions and funding arrangements associated with renewable energy developments. Andrew also leads the team which manages a significant coastal portfolio around England

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#### Harrogate

#### Clive Fagg — Environmental Planning Specialist

Over 10 years' experience in planning for renewable energy projects. Clive has undertaken a significant number of Environmental Impact Assessments (EIAs) for energy-related developments and has extensive experience of working with renewable energy developments.

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