



UK SUSTAINABLE ENERGY

Cutting costs. Cutting carbon.

COMMERCIAL ENERGY SOLUTIONS

SUSTAINABLE ENERGY CONSULTANTS

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Working with a wide range of commercial organisations, UK-SE undertake an impartial analysis of your energy use in order to deliver significant savings, often **without any capital cost.**

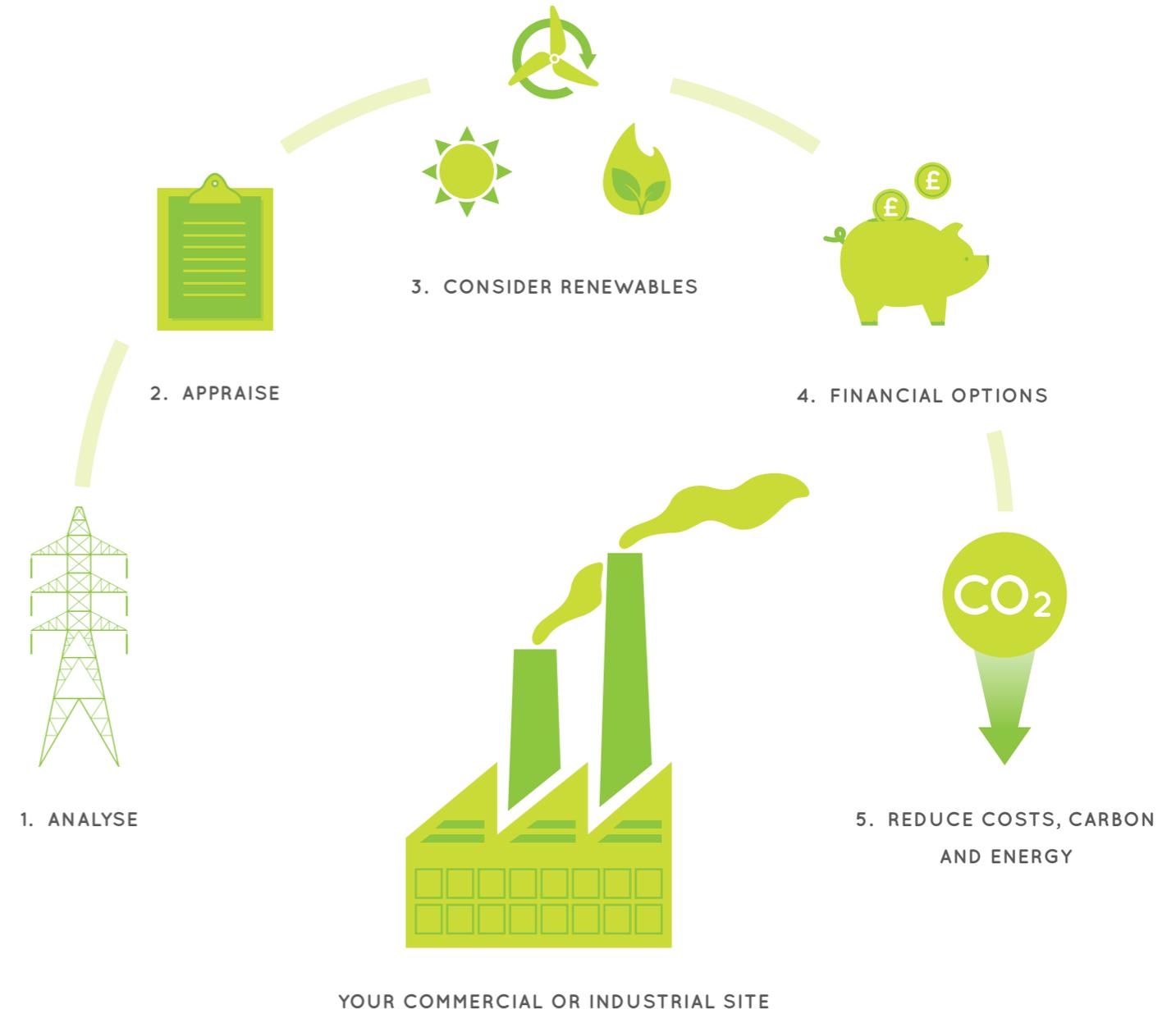
Our staff

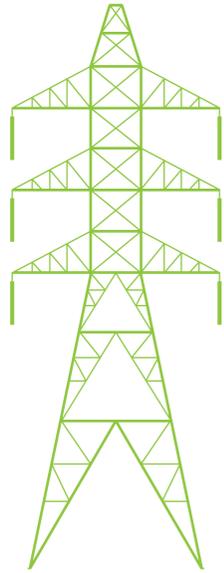
Employing engineers, surveyors and carbon consultants, our staff have advised on **energy standards** at a UK and international level. We are used to working with in house energy teams to deliver projects.

Who we are

Formed in 2008 as part of the Government funded National Renewable Energy Centre, UK-SE have since 2010 operated independently and delivered millions of pounds of **energy savings** to our clients.

The process





1. Analyse energy usage

Assessing a company's half hourly energy data (electricity and/or gas) provides us with enough information to understand the opportunities for alternative energy sources whilst also identifying other beneficial opportunities.

We will produce a **detailed report** identifying demand profiles and highlighting any anomalies.

“Unlike most companies in this sector we **do not charge** for this service”



2. Undertake options appraisal

Whether you have a process or environmental load, there are always opportunities to optimise energy use and reduce the reliance on fossil fuels.

With experience in a wide range of sectors from data centres to confectionary manufacturing, we appreciate the need for reliability underpinned by good design.

As former Carbon Trust consultants the options appraisal will follow a **tried and tested method** of providing meaningful information.

“It is not always necessary to undertake large projects to achieve significant savings, the use of inverters, high frequency lighting, improved insulation and behavioural change are often very effective.”



3. Consider renewable integration

Renewable energy is an excellent way to improve your carbon position and reduce volatile grid based energy costs. UK-SE will advise you on the options that best suit your company's demands.

Electricity and heat systems will sit alongside your existing grid and gas based systems to reduce your dependence upon fossil fuels.

The ability to intergrate renewable electricity alongside your existing grid supply via a "private wire" will **reduce your grid reliance** and return significant savings.

Solar

As the developer of the **UK's largest private wire solar park** for BT, we understand planning, grid & seamless integration. Solar can be roof or ground mounted and can be sited up to 2 km from your facility.

Biomass

UK-SE have successfully delivered biomass for the UK's largest district heating scheme, whilst also gaining utility approval for millions of pounds of **ECO funding for local authority projects**.

Whether process steam or heat for environmental use, biomass can be the appropriate solution.

Wind

Installed in the correct location wind turbines offer a high energy output with little disruption.



4. Assess financial options

Zero Capital

UK-SE have brought millions of pounds of external funding for projects delivering energy to clients via **flexible power purchase agreements**. A typical power purchase agreement **saves 40%** of the cost of energy and flexible terms include:-

- 1 to 25 year terms
- 60 days' notice to terminate
- Zero capital cost
- No minimum usage

Capitally Funded

Our flexible approach allows us to work with you to deliver the project working alongside your own contractors or delivering projects ourselves.



5. Reduce costs, carbon and energy

With the carbon position having an increasingly prominent effect on **corporate policy**, delivering well thought out low carbon projects is becoming an increasing necessity.

UK-SE can advise on policy and mitigation measures so you achieve the best possible outcomes.





UK Sustainable Energy Ltd.

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Significant financial
and carbon savings

The next step

Please feel free to contact us for an impartial energy assessment or for further information on our zero capital model.

UK-SE will undertake a free of charge, no obligation, energy savings report identifying potential financial and carbon savings using your current energy demand data and operational profiles.

UK-SE can, with your consent, obtain detailed half hourly energy data from your utility supplier to assist with this analysis.