

# Microgeneration

**Broadlands can help you generate renewable power at a local level. Whether you are a public body such as a local authority or housing association, or whether you are a private sector organisation such as property development, we can help you to find the right microgeneration equipment.**

We can identify and source not only the right type of equipment for your building, but also the fuel source in the case of bio burners and combined heat and power units. We can provide a range of services including:

- **Analysing the feasibility of different types of microgeneration equipment for your site**
- **Carry out financial appraisals to include energy savings, whole-life costing, etc.**
- **Identifying appropriate fuel sources if applicable**
- **Sourcing equipment through a network of reliable and experienced suppliers**
- **Project managing installation.**

There are a number of ways in which we can help you to reduce the carbon footprint of your building or site, maintain continuity of supply at a time when non-renewable supplies are running out, and potentially to achieve savings in the cost of fuel. We can help by:

Carrying out feasibility studies to ascertain the **suitability of microgeneration for your building.** We would take into account a range of factors including which type of equipment was most appropriate for your needs. You may, for instance, have a greater need for space heating than power generation. On the other hand, it may be possible to use excess power by selling it to the National Grid at preferential rates. The positioning of your site will influence the type of equipment you choose. Solar thermal or photovoltaic (PV) panels will need a southern orientation for maximum efficiency, whilst wind turbines ideally need to be installed on exposed sites where wind currents are not unduly impeded.

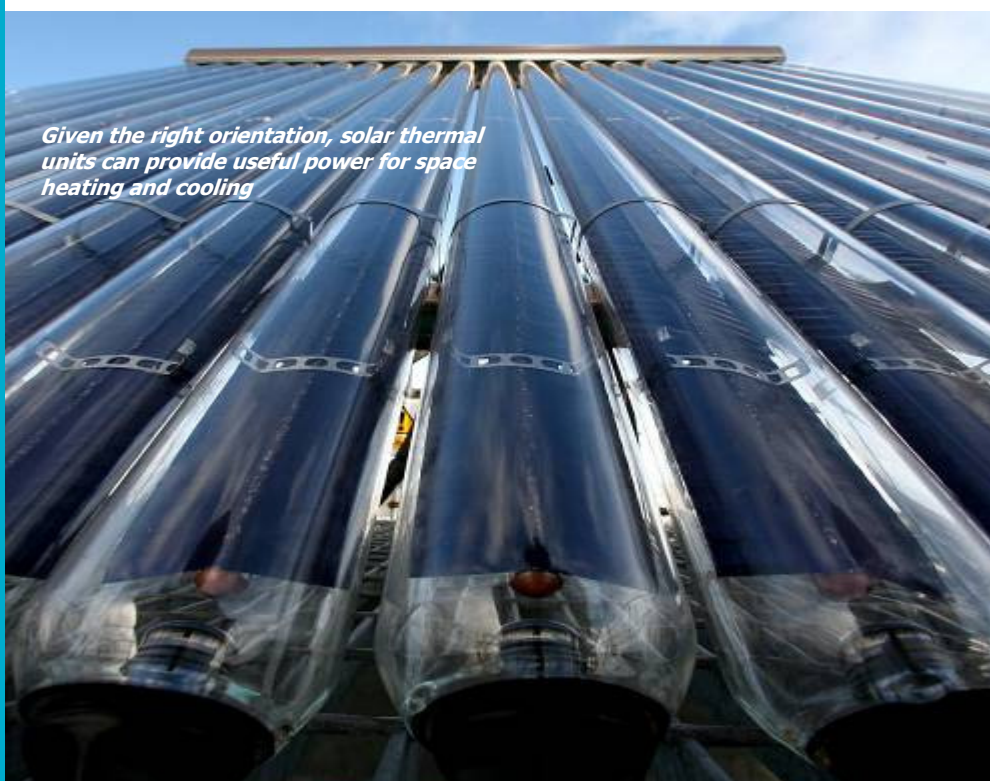
Our **financial appraisals** will help you to ascertain the costs of installation and maintenance. They will also indicate energy costs against those for conventional equipment using non-renewable fuel sources. We can flag up whole-life costs to allow you to accurately assess the pay-back period either for installing equipment in new buildings, or for replacing existing equipment with a microgeneration source. We can model alternative scenarios to help you justify your decision to move to renewable provision



*This bio burner has been successfully heating a leisure centre for a number of years*

and to indicate which is the best financial solution to fit your individual needs.

- We can **identify fuel sources** where necessary. If you are considering the installation of a bio burner or combined heat and power unit which uses bio-fuels we can help to identify a reliable source from the most local supplier.
- We can also **source equipment** for you. Through our network of contacts we can provide a range of equipment including bio burners, ground source and air source heat pumps, combined heat and power units, solar thermal systems and wind turbines. All our suppliers provide warranties and can supply throughout the United Kingdom.
- For peace of mind we can **project manage installation.** For a fixed fee we will ensure that we agree a timetable with you in advance, and provide on-site supervision throughout the installation period. We will hand over when the system is fully running and ready to operate.



*Given the right orientation, solar thermal units can provide useful power for space heating and cooling*