

# MICROGENERATION CERTIFICATION SCHEME



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## CASE STUDY: NATURALWATT

### Background:

Naturalwatt was established in 2005 to meet the growing challenge of providing clean and renewable energy to a wider market place. It was clear that as well as there being a demand for microgeneration systems, there was also a need for a system that could pull the separate components together to work in an intelligent and efficient manner. Hence the development of the Naturalwatt Microgrid™ and the 'Customer Controller System', which ensures the most effective use of the energy produced and can result in a 35% increase in system efficiency. This system is unique to Naturalwatt and enhances the benefits of an already well-engineered Installation.

The Naturalwatt team has a strong technical basis, founded by engineers with many years of experience in the electrical and electronic industries. They aim to get to know each client and their individual requirements in detail, each system is then specified for the requirements of the client and the site in which it will be located. Naturalwatt have installed systems of various sizes from small-scale photovoltaic installations for individuals, to larger schemes for schools and have clients in the UK, Europe and Africa.

### The Certification Process:

Naturalwatt was keen to become an MCS certificated company and the thorough and detailed certification processes have helped to ensure there are effective procedures in place covering all aspects of the organisation, from supply chain through to health and safety.

**"MCS certification allows our customers to be confident that they are dealing with a reliable and reputable company and that we will actually do what we promise and not try to 'oversell' and destroy faith in a young and growing industry. It has also helped to ensure that we keep up to date with the latest developments in the field" - Naturalwatt**

### Our Success:

Mrs Pepita Collins' Naturalwatt Microgrid installation was completed in February 2008 on her property which is partly her home and partly let as holiday accommodation. The property is both architecturally and visually stunning and has won a number of awards for design. It is located very close to the sea in a beautiful but challenging environment, with high winds and corrosive salt laden air constantly assailing the building. The installation therefore had to ensure it took account of these conditions, for example extra upstands were used to prevent possible damage by high wind. This installation has now withstood a number of severe gales with no ill effects.

**"Naturalwatt installed the system for me without fuss or bother, so my holiday guests and myself can see what the system is generating live from my roof. The public is now able to see what PV can do!" - Pepita Collins**

# BUILDINGS ACCOUNT FOR 47% OF CARBON EMISSIONS IN THE UK. MICROGENERATION HAS THE POTENTIAL TO CONTRIBUTE TO THE UK'S CHALLENGING EU 2020 RENEWABLES AND GREENHOUSE GAS TARGETS.

## MICROGENERATION CERTIFICATION SCHEME

The Microgeneration Certification Scheme (MCS) is owned by the department for Business, Enterprise and Regulatory Reform (BERR formerly DTI) and is designed to evaluate products and installers against robust criteria for microgeneration technologies, providing greater protection for consumers and ensuring that the Government's (i.e. taxpayers) grant money is spent in an effective manner.

This new scheme will underpin BERR's grant schemes, such as 'the Low Carbon Buildings Programme' where grants are only available to applicants using both products and installers certified under approved schemes such as MCS. The scheme also creates a quality framework for other initiatives aimed at supporting microgeneration. Examples include stamp duty land tax relief for new zero carbon homes, the Carbon Emission Reduction Target scheme, and new simplified planning regulations.

### The aim is to:

- Help build a rapidly growing Microgeneration industry based on quality and reliability
- Make a substantial contribution to cutting the UK's dependency on fossil fuels and its carbon dioxide emissions
- Provide consumer confidence that products and installers meet and continue to meet robust standards
- Grow the Microgeneration industry

For full details on product and installer listings, please visit [www.greenbooklive.com](http://www.greenbooklive.com)



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- promulgating standards and knowledge throughout the industry through publications and events
- developing and delivering training

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