



**Sheffield
Hallam
University**

The **EcoGrady** heating system has been independently tested and verified by Sheffield Hallam University and below is an extract from the university report.

'In today's eco conscious world, importance is given to the sustainable use of natural resources and utilisation of renewable energies. Since oil and fossil fuels are depleting at a rapid rate, other alternative sources such as solar and wind are becoming popular in the domestic market. A major portion of energy used in homes is for space heating and providing hot water. It makes sense to utilise energy saving products and devices for these purposes and integrate their use with renewable energy sources.

*A new technology has been developed which consumes very low power and efficiently provides hot water in buildings. This water heating system, called **EcoGrady**, can be used with all electricity sources i.e. solar PV, domestic wind turbines, grid (transformed to 24V), stand alone generators or a combination of all.*

*Test results provide proof of concept of the **EcoGrady** heating system for low power consumption. Future development of the **EcoGrady** system will exploit its unique properties which allow it to be incorporated in plastic thermal storage tanks for use as stand-alone systems or in conjunction with combination or multipoint boiler installations. The use of cheaper plastic materials will reduce costs of manufacturing thermal stores out of copper or stainless steel.'*

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