

RENEWABLES IN ACTION

Water, Wind, Wood, Sun

Renewable & Recyclable Consultancy, Supply and Installation

The efficient use of the natural resources available to us is at the heart of any attempt to recycle or make use of renewable energy. In order to achieve maximum efficiency the starting point must be to minimise waste. Thus, minimising heat loss and, therefore, heat requirement is at the heart of any space and water heating system. Similarly, minimising water use and waste is the crux of an efficient water system. The same applies to power. The services we offer are directly concerned with these aims.

SERVICES

1. **Design and Selection of Building Structure components:** Insulation types and installation, Window and doors, Cavity design, U value calculation, SAP and Carbon Index calculations.
2. **Design and Selection of Services:** Ventilation, Heat Sources, Heat Stores, Plumbing Systems, Power Sources, Water Sources, Lighting
3. **Heat Engineering:** Domestic Hot Water (DHW) and Heating System selection and sizing. (To include where appropriate fuel store, boiler/ heat source, thermal storage, DHW delivery, space heat delivery)
4. **Water Engineering:** Design and Selection of White Water Systems (Rainwater harvesting and purification), Grey Water Systems (Bathing water recycling) Black Water Systems (Treatment of sewage)
5. **Air Engineering:** Design and Selection of Ventilation Systems (Passive, Mechanical, MEVHR)
6. **Power Sourcing:** Wind and Water Turbines. Demand calculations, Supply calculations, system selection.
7. **Integration** of systems to maximise efficiency.
8. Recommendation of manufacturers, costings, grants, payback calculations.
9. **Supply and Installation Service.**
10. **System balancing.**