



ACIS
Renewable Energy

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APPROVED INSTALLER



Passionate about renewable energy

north east
england

Green Home Renovation



Case Study

This green home renovation in Northumberland was managed by chartered architect Graeme Cummings who is now part of the ACIS design and build team. Graeme originally contracted ACIS to install a Mitsubishi air source heat pump, underfloor heating, a solar thermal hot water system, an eco lighting system and eco extraction fans.

The heat pump and solar thermal systems provide for all of the properties' heating and hot water requirements in the most financially economic way possible – the house is heated from the sun and the air rather than from expensive fossil fuels.

The property is heavily insulated. The stone walls of the original cottage have been insulated internally with a wood fibre insulation board and plastered with lime plaster. A 1970's extension to the original stone cottage has been covered with external insulation blocks and rendered.

Triple glazed doors and windows have been fitted and the property is virtually airtight.

This renovation has provided a virtually carbon neutral home which minimises the use of very expensive fossil fuels to provide and extremely comfortable & sustainable home which is very cheap to run.