

Green Homes Sheffield Host









Further information

Host address:	South Yorkshire Energy Centre 25 Alexandra Road, Heeley Sheffield S2 3EE
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More information about this home

South Yorkshire Energy Centre is a retrofitted Victorian house that opens all year round as a visitor centre. An end-terrace with no neighbours left, up to 2006 it would have been one of Sheffield's least energy-efficient homes! The work done to insulate the building and install renewable energy sources has made it a model of how to create a warm and low-cost home. On show are solar electricity and solar water heating, a ground source heat pump, different types of internal solid wall insulation, electricity monitoring and a solar light tube. There are also fun activities for all the family, including two energy-generating bikes!

Low carbon measures on show

-  **'Big' insulation works:** Full internal wall insulation and displays of different materials
-  **Glazing:** Double glazing and high spec doors
-  **Lighting systems and electrical appliances:** Sun pipe and low energy lighting (not LED)
-  **High spec heating:** Underfloor heating in solid floor with demo cut-away
-  **Renewable heat:** Ground source heat pump and information display; solar water heating using evacuated tubes, solar kiln for timber drying
-  **Renewable electricity:** solar electricity with monitoring and displays; plus there is a medium size wind turbine on the associated Heeley City Farm site
-  **Sustainable building materials:** Sustainable materials used include reclaimed timber used for kitchen and other furniture
-  **Lifestyle changes:** Cycle racks available for staff and visitors to use.