



The Architecture Centre

## Hanham Hall Eco-Village Bristol

### Notable design features

- On-site car club reduces the need to own a car on site and provides two electric vehicles
- Lockable storage for 172 bicycles
- Solar water heating
- High standards of insulation reduce heating bills
- Large, south facing windows provide daylight & solar warmth
- Water butts collect rain water for use in the garden



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England's first zero carbon development started on site in November 2009 at Hanham Hall on the outskirts of Bristol. New housing will be designed to meet Level 6, the highest category of the Code for Sustainable Homes.

### Project description

Built on the 6.6ha site of a former hospital, Hanham Hall will be England's first eco-village. The site is owned by the Homes and Communities Agency and is being developed by Barratt Homes.

The development will comprise 195 new homes, of which 65 will be affordable. It will also include retail and employment space and improved public realm in the form of two parks. Allotment gardens and greenhouses will be provided to encourage residents to grow their own fruit and vegetables, and existing hedgerows, meadows and orchards will be retained and extended.

The new homes, designed by HTA Architects, will be prefabricated from energy efficient materials, designed to very high insulation standards and orientated towards the sun to maximise passive solar heating. An on-site biomass Combined Heat and Power (CHP) plant will deliver energy to all homes, and aggregate from the demolition of existing buildings will be recycled in the new development.

The project will use an innovative

method of long term management. A Development Trust is based in Hanham Hall and will act as a focus for the management of the eco-village.

The development will be the first created as part of the government's Carbon Challenge initiative, which aims to help the house building industry fast track a number of developments that significantly reduce the impact on the environment; provide important lessons for delivering low carbon development; and encourage people to live more sustainable lifestyles.

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## Hanham Hall Eco-Village, Bristol

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### Comment

“As one of the HCA’s flagship schemes, this is about testing the highest level of the Code for Sustainable Homes and looking at innovative ways to achieve true sustainability. This will be the first large scale development in the country to be built to this high standard, demonstrating that while Level 6 is a challenge, it is one we must achieve if we are to prevent the impact of climate change and dwindling natural resources.”

Robert Napier, Chairman of HCA Architects

### Essential data

#### Location

Hanham, Bristol

#### Construction period

Work commenced on site November 2009

First homes due for completion in 2010

#### Project team

Developer: Barratt Homes

Architect: HTA Architects

Sustainability Framework: Arup

#### Client

Homes and Communities Agency (HCA)

#### Cost

Not disclosed

#### BREEAM rating

Code for Sustainable Homes Level 6 (intended)

### Further information

#### Barratt website:

[www.hanhamhall.co.uk](http://www.hanhamhall.co.uk)

#### HTA Architects

[www.hta.co.uk](http://www.hta.co.uk)

#### Urban Design Compendium case study:

[www.urbandesigncompendium.co.uk/hanham-hall-sustainable-development](http://www.urbandesigncompendium.co.uk/hanham-hall-sustainable-development)

#### English Partnerships

[www.englishpartnerships.co.uk/hanhamhall](http://www.englishpartnerships.co.uk/hanhamhall)