

## who has got energy for life?

**customer** Yorklake Developments  
**project** BowZED

BowZED, has been designed by the Bill Dunster practice ZED factory, as a Zero Carbon development constructed to minimise the amount of energy required and generating this energy from on site sources. The building is designed with a high thermal mass and high levels of insulation from sustainable materials, the appliances and lighting have been selected to minimise the amount of energy consumed.

Any energy demand is generated from renewable sources on site;

- The heat and hot water is provided by a wood-pellet boiler.
- The electricity is generated by Solar PV panels integrated into the façade and a roof mounted wind turbine.
- The air ventilation system is pre-heated using with an air cowl on the roof.



### solar photovoltaic solutions

Integrated sloping façade

### area (sqm)

32

### size (kW)

4

### project details

Web addresses

[www.yorklake.com](http://www.yorklake.com)

[www.zedfactory.com](http://www.zedfactory.com)

Type of building

Private housing

Date completed

2005

Location

East London

### carbon saved / energy generated

Annual carbon saving

1.4 tonnes

Lifetime carbon saving

48.2 tonnes

Annual energy generated

3200 kWh

For further information on other innovative ways of incorporating renewable energy in your building see our Solution Sheets.