

# Future Cities

## urban networks to face climate change

Making city regions fit to cope with the predicted impacts of climate change



### HASTINGS ADAPTING TO CLIMATE CHANGE

Hastings Borough Council are working up a town-wide climate change adaptation 'plus' plan, drawing on regional and local data with actions spread across a range of partners.



DJ Holubowicz  
Fuga Ltd

Hastings Borough Council have also purchased a thermal imaging camera, which is in use by estates, surveying and housing teams across departments to measure heat distribution and loss in offices and homes.

### ADAPTING BUSINESS

The Enviro21 Exchange is a high-quality restaurant, conference and exhibition venue. It will create a physical demonstrator for sustainable business practices focussing on proactive mitigation of and adaption to climate change.



Bob Mazzer

The building will demonstrate the following combined measures:

- Green and brown roofs
- Rainwater harvesting
- Sustainable urban drainage system
- Passive heating
- Solar shading
- Natural ventilation with wind cowls
- Sustainable kitchen with induction cooking
- Waste minimisation
- Biomass boiler
- Zoned underfloor heating
- Lighting control system
- Building management system



Green Roof on Enviro21 Exchange



Swale at Enviro21 Exchange

### ADAPTING HOMES



Hastings Trust has converted a large terraced Victorian property into 4 separate apartments. The project seeks to push all of the boundaries as an exemplar for future developments in both the specification and the use of local trades and trainees to carry out the work. The Trust is taking measures to prevent waste of resources and to help protect the environment during the work.



The apartments will demonstrate:

- increased fabric insulation
- controlled ventilation
- efficient heating & hot water
- responsive lighting & heating controls
- efficient lighting & fittings
- efficient white goods
- water saving sanitary ware & rainwater harvesting



Hastings Trust Cambridge Garden

These activities from the Hastings Trust are combined with an educational measure for the Future Cities project. Schools, colleges and business can access a training DVD, leaflets and have attended open days on site. Trainees have gained knowledge and practical installation experience.

### PROJECT PARTNERS

