



FOCUSING ON YOUR HOME

- Biggest yearly increase in energy consumption is found on our roads
- However approx 40% of all CO2 emissions are from our homes
- There are 20 million houses out there
- 60%70% of them don't have adequate insulation
- 85% don't use low energy lightbulbs

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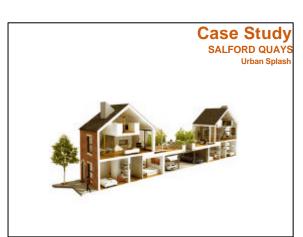




THE GOOD NEWS

- Reusing existing buildings is VERY green
- Building new very green buildings normally has a bigger negative effect on the environment than reusing an existing building- if you consider the amount of energy and pollution that is created when a building is constructed





What are we doing? Creating well insulated + sometimes well sealed buildings That sometimes reduce energy comsumption

- in use
- That often cause 'sick building syndrome'
- That do not consider the energy used +
 pollution created in construction
- Who is guilty?
- WE ALL ARE



What can we do?

- Consider 'Designing for Demolition'
- Your building is a future material resource for others
- Consider levels of energy + pollution used when selecting materials
- Reducing the extent a material is processed reduces it embodied energy + pollution levels as well as the likelihood of in-built toxins
- Consider non-toxic materials
- To reduce the likelihood of 'sick building syndrome'
 To make construction and disposal safer + easier

What else can we do?

• SPECIFY LOCAL MATERIALS BECAUSE

- It reduces the amount of pollution created in transport
- They can 'weather' better in native environment
- They can create a sense of place: a local identity
- They can help generate local commerce
- In particular cases they can help support bio-diverse environments

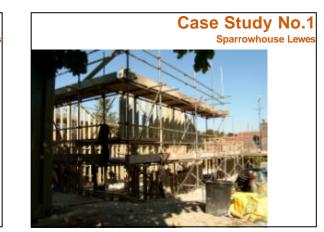
Sweet Chestnut:

The Process







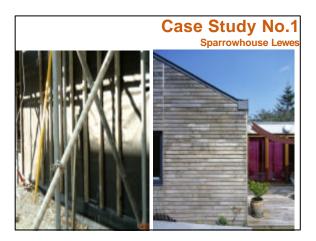


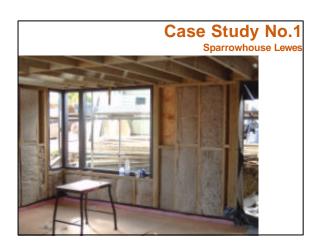


Case Study No.1 Sparrowhouse Lewe

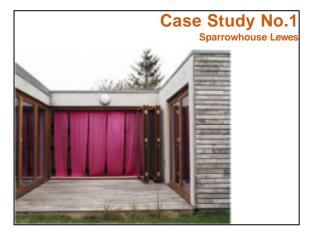








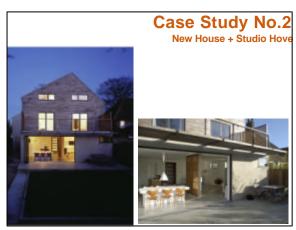






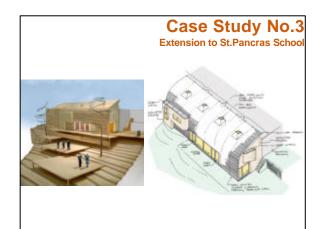


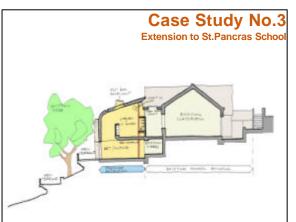


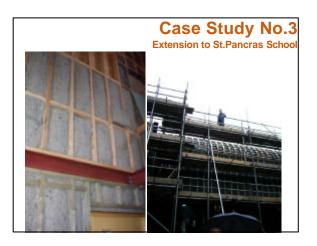


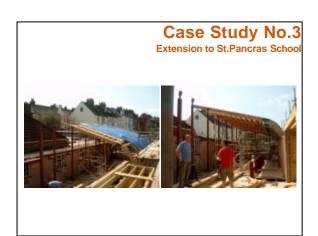


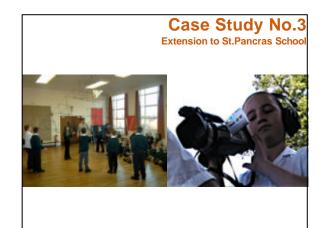




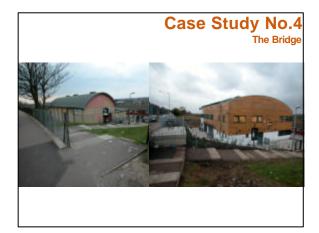






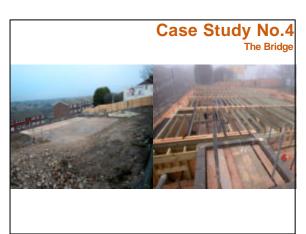






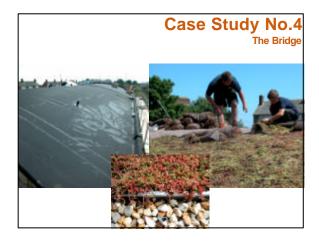




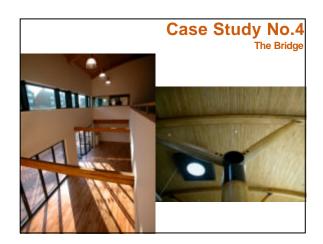


Case Study No.4 The Bridge

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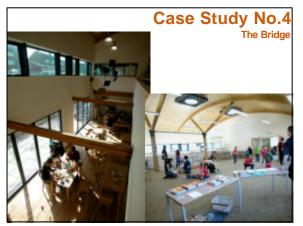


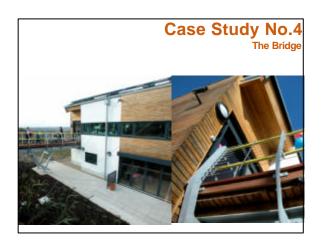
Case Study No.4 The Bridge

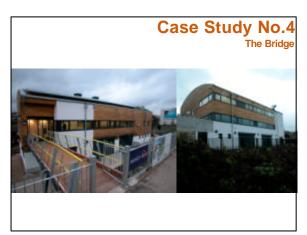
Case Study No.4 The Bridge



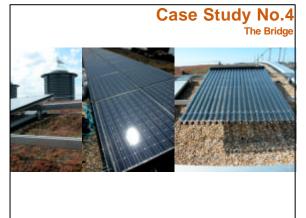






















Contact sheet Low Impact Materials

nut Cladding/Glue Lam structures/ joinery supplied bylnwood Developments tel: 01825 872150 d-Fibre ground floor insulation, Clay Plaster, Recycled Building Papersby Construction Resourcestel: 0207 4502211

Lime Render + Wood fibre Insulation System, Flax or Recycled Cotton & Hemp Quilt Insulation by Natural Building Technologies tel: 01844 338338

Sedum Roof + Rubber Single Ply Membrane byPrelasti (AAC Waterproofing) on 01248 421955 Double Glazed Windows (Sparrowhouse/StPancras / The Bridge)- Rationel Windows (UK) Ltdtel: 01869 248181

Treble Glazed Windows Creative Media Centre 2- Swedish Window Company

Folding/ Sliding Doors- Solarlux Systems Ltdtel: 01924 204444 orI.D-Systems tel: 01603 408804 External Solar Blinds to Creative Media Centre 2 byLuxaflex tel; 01293 851010

Paints - Eccs Organic Paints (Sparrowhouse) tel: 01524 858978 + Biofa by Villa Natura (St.Pancras School) tel: 01273 685800

Natural Ventilation + Light Source at The Bridge- Suncatcher by Monodraught tel: 01494 897700