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BedZED was initiated by Bioregional and developed by Peabody Trust in partnership with Bioregional and ZEDfactory architects. Completed in 2002, the UK's first large-scale, mixed-use sustainable community comprises 100 homes, office space, a college and community facilities. Structural engineers at Arup have been working in close collaboration with Tonkin Liu Architects on the Tower of Light - 37m tall sculptural chimney that will be built as part of the new Combined Heat and Power plant. Read more here  
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Arup BEDZED Visualisation // Demonstrating New Concepts Arup needed a visual explanation of the concept behind BedZED, a multi-award winning development which involved the climate control of a home using innovative thermodynamics and sustainability systems.

#### **BEDZED: Beddington Zero Energy Development in London**

BedZED is a Peabody Trust mixed tenure scheme that provides 82 residences and 1,600 sq m of commercial space. The land was purchased (at a discount) from the London Borough of Sutton. Arup provided the energy engineering and Ellis & Moore the structural engineering for the buildings. The Beddington Zero Energy Development (BedZED) may not be new news, but is a fabulous example of innovative, zero-energy, sustainable housing on a multi-unit  
For BedZED, Arup developed a technique to evaluate and match renewable energies to energy demands. Until all energy sources have their full environmental cost  
In this issue of The Arup Journal, we look at the following projects: Poverty alleviation: the role of the engineer; BedZED, South London, UK; The Austrian Cultural Forum, New York, USA; Prada epicenter, New York, USA; Designing The City of Manchester Stadium, UK; Denver Millennium Bridge, Colorado, USA; Engineering Marsyas at Tate Modern, UK; Zayed International Cricket Stadium roof, Abu ...

BedZED has gone down in history as the UK's first large-scale, mixed-use sustainable community. It has been an inspiration for low-carbon, ... Bill Dunster, collaborating with engineers Arup and Bioregional, was looking for an opportunity to create a zero fossil fuel eco-village.

**BedZED (Beddington Zero Energy Development) - Greenroofs.com**  
**BedZED Concept Animation - thumbdesign.com**

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Background. BedZED was designed by the architect Bill Dunster to be carbon neutral, protecting the environment and supporting a more sustainable lifestyle. The project was led by the Peabody Trust in partnership with Bill Dunster Architects, Ellis & Moore Consulting Engineers, BioRegional, Arup and the cost consultants Gardiner and Theobald. The project was also pioneering by being the first ...

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#### **BedZED (Beddington Zero Energy Development) - Greenroofs.com**

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Chris is principal of his practice Twinn Sustainability Innovation - established some five years ago, after 28 years at Arup, latterly as Arup Fellow and

director. He has contributed to many leading edge projects worldwide, including BedZED - London first zero carbon design development back in the 1990s.

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BedZED, London, United Kingdom. 442 likes · 1 talking about this · 403 were here. Beddington Zero Energy Development is an environmentally friendly...

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