



Registered Design

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## **The Cube Project**

**The Cube Project is a compact home, no bigger than 4x3x3 metres on the inside, in which two people could live a comfortable, modern existence with minimum impact on the environment.**



## Benefits

- It was an important design criterion that all of the techniques or technologies used in the Cube could be used in other buildings. When scaled up appropriately, everything we use could equally well be applied to homes and offices of all shapes and sizes.
- The Cube illustrates, what we believe to be, the best of low-carbon living.
- The Cube is designed to generate at least as much energy as it uses, averaged over the year. It does this by using solar photovoltaic panels.
- If registered with the UK Government's Feed-In Tariff (FiT – an incentive for producing energy from renewable sources), the Cube will raise around £600 per year in FiT income.
- The only connections it requires are a connection to the electrical grid, and a cold-water supply. It can be connected to mains drainage or waste can be composted, or processed on site by a small reed-bed and soak-away.

- The Cube is constructed from a variety of sustainable materials
- The Cube provides everything that two people might need, including:
- A kitchen (with energy-efficient fridge, induction hob, re-circulating cooker hood, sink/drainage, combination microwave oven and storage cupboards),



- It includes a lounge, with a table and two custom-made chairs,



- A full sized double bed
- Suitable storage beside the bed.
- A full-size shower
- A washing machine
- A composting toilet
- Ultra-efficient LED lights achieve lighting
- The Cube is heated using an Ecodan air-source heat pump, with heat being recovered from extracted air.
- It has cork flooring and there is two-metre head height throughout.

