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PROJECT FACTS

Address: confidential, Edinburgh, United Kingdom. **Planning partner:** Scott Wardlaw. **Structural engineer:** Philip Thomson and Partners, SIPS Industries. **Client:** private. **Completion:** 2003. **Ecological aspects:** solar, geothermal, energy; solar heat; heat reservoir, exchanger, pumps, recovery; thermo-active building systems; boreholes; transmission heat loss saving 1.67 tonnes CO_2; insulation glazing SIPS system; rainwater reuse; ventilation engineering.

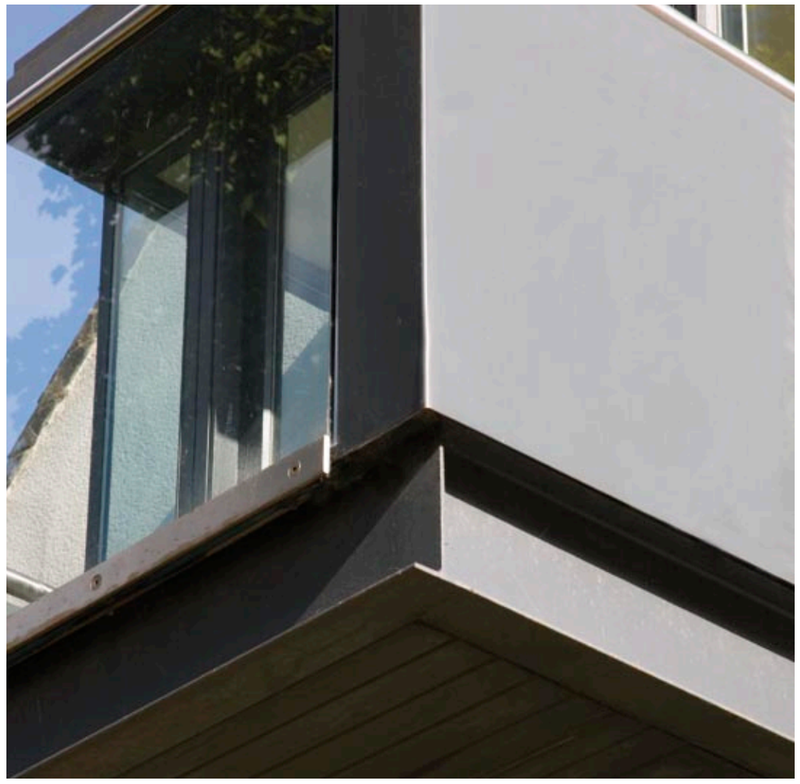
↑ | **Exterior view**
→ | **Entrance area**

House at Cramond

Edinburgh

Cramond is a village with a traditional architecture of stone houses with clipped eaves, steep slate gabled roofs and white render. The challenge to design a house that would be a modern interpretation of the traditional vernacular language of the region and would also explore new environmental strategies and technologies was met with detailed glass to glass corner windows, dormers, balconies, canopies and decks and by introducing a solar conservatory on the south end to capture passive solar gain. The highly insulated SIPS system was used with the walls and roof construction resembling a big box of rigid lightweight insulated panels consisting of polystyrene sandwiched between layers of particle board.

← | **Ground floor plan**
↓ | **Interior view,** living room



↑ | **Photovoltaic system** on the roof
← | **Corner**