



SD Engineers
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Naked House

Location

London, UK

Sector

Private Homes

Expertise

Low Carbon Design

Structural Engineering

Client

Private

Architect

Whittaker Parsons

Budget

Undisclosed

Status

Completed

Year

2021

Photography

Jim Stephenson

SD Team

Mike Davies

Jacky Ng

Kyle Toole

A highly sustainable extension and refurbishment project to a mid-terraced Victorian home in east London.

The single-storey extension at ground floor provides a full-width kitchen and dining room. Here the structure forms part of the architectural feature of the space, with the floating corner supported on exposed steelwork and wrap-around glazing provides plenty of natural light. As the steelwork within the kitchen remains exposed, we worked closely with the Architects to ensure a high quality finish and coordination with the services.

The extension uses reclaimed London stock brick and white glazed brickwork, wood fibre insulation made from recycled wood chips from sustainable sources, and the kitchen is lined with sustainable Bamboo panels. Recent changes to the Tower Hamlet's planning policy allowed for a double-pitch mansard roof, with this being one of the first examples within the area. This extension provides our client with an additional double bedroom and en-suite bathroom.





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The house has been upgraded throughout with jute insulation, made from discarded cocoa and coffee bean bags, and renewable solar energy has been used to improve thermal performance.