

Nissan Hub

London, UK

The Nissan Hub project aims to create a carbon neutral, sustainable project showcasing the potential for energy production and use in the urban context. The building seeks to be an exemplar of energy usage, showcasing the potential for urban food production and a place to educate the local and wider community.

Situated along the popular Southbank in London, between Tate Modern and the Globe Theatre, the hub has a flexible event space on the ground floor, which forms the heart of the building. Four structural towers contain; the battery Storage, rainwater collection tank, interactive plant growing area and the platform lift for access to all floors. The upper level features a central void that creates visual connections throughout the building. The plant growing area is a carefully controlled environment with a glass wall separating it from the public areas. The top level has a presentation space and informal working area as well as a meeting room and external terrace.

As the Hub aims to showcase a more sustainable way of using energy production in buildings, along with its temporary nature, building materials and processes were selected which have the lowest possible carbon footprint and levels of embodied energy. Timber is the predominant building material, with a combination of glulam beams and cross-laminated timber floors and walls. The roof features photovoltaic panels that generate power for the building.