

The Urban Village

Site: Bygata Furuset, Oslo



Reinventing
Cities

Project Summary The Urban Village project is designed with sustainability as the guiding parameter. The car-free project creates a surplus of energy supported by passive house principles and photovoltaics that cover all the sun-exposed roofs and facades. The BREEAM pre-analysis indicates an “outstanding” performance outcome. The project will achieve a low carbon footprint by opting for wood products, such as wood fiber insulation. The nature-based design principles furthermore promote resilience to climate-change.

The aim for Furuset is to create an inclusive project that sparks urbanity while simultaneously reinforcing the community as a modern village. A strong emphasis has been placed on social, environmental and economic sustainability. The design reflects diverse, flexible and affordable housing with a high degree of communal spaces.

The new community house promotes inter-generational cultural exchange and a generous greenhouse and courtyard. New digital solutions are connecting people with the neighborhood.



Key Components & Solutions

→ The Urban Village is a carbon neutral project with an extensive use of wood, renewables, car-free space and green areas.

→ The project is designed to produce more energy than it consumes by reducing to a maximum its energy consumption: it is energy positive. The energy production is provided by a large surface of photovoltaic panels on the façades and rooftops, as well as with heat pumps.

→ Carbon neutrality construction is largely achieved thanks to the use of local materials, Cross Laminated Timber for the building structure and limited resource requirements, thanks to compact building blocks.

→ The project also promotes urban agriculture and biodiversity with a large greenhouse for herbs fruits & vegetables. The green areas also create different microclimates and habitats in order to promote a biodiversity of plant and animal species on the site.

Main members of the team

Team leader: OBOS NYE HJEM AS

Architect: LPO Architects

Environmental expert: BOLLINGER + GROHMANN

Developer: VIEDEKKE



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