



Mercado Habitado II

Site: Mercado de Orcasur, Madrid

Project Summary *MERCADO HABITADO II* is a prototype project showcasing innovative ideas to reinvent disused, public buildings in Madrid. The international transdisciplinary team successfully addressed the common challenges faced by Southern European cities.

The project aims to produce renewable energy on site through the configuration of photovoltaic panels on the facades and on the roof. The market itself is a lever to promote sustainable and eco-friendly consumption habits by encouraging local produce. *Mercado Habitado II* promotes good practices in terms of food production, cultural energy and creative processes that reactivate the neighborhood by reversing the capital gains in the local economy.

Through participatory principles based on self-management and cooperation, the new market resolves the needs and desires providing an opportunity for the local residents of Orcasur. This new equipment is configured as an urban catalyst of good health, sustainability and social cohesion, satisfying a sustainable way of life for the neighborhood. The program is structured around a large central space that connects the exterior and the interior to become the social center and market. The reinvigorated market will become a multi-purpose space for intergenerational social encounters. The building will furthermore respond to the needs of the elderly by providing serviced accommodation whilst maintaining a certain degree of autonomy thus improving the quality of life.



Key Components & Solutions

→ Mercado Habitado II is an ambitious **net-zero energy** project proposing the renovation of an unused market in a socially challenging neighborhood.

→ The project promotes sustainable and local consumption habits, developing activities for intergenerational and social solidarity by creating a new green area.

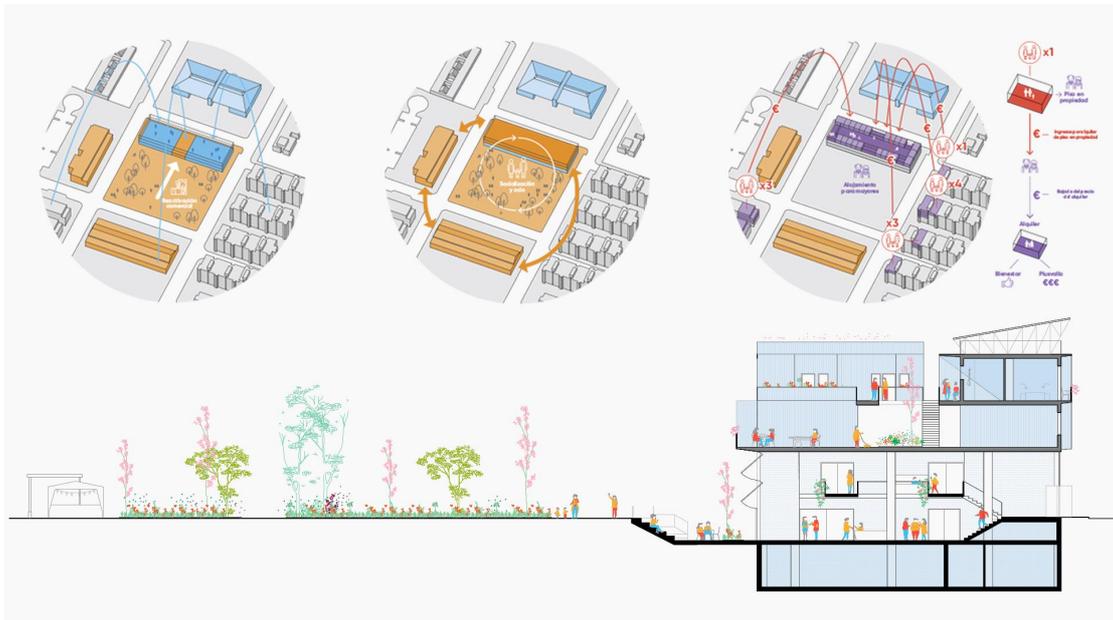
→ On-site energy production is well addressed through facades holding 100 kW photovoltaics in addition to more energy efficiency solutions. The project intends to become fully energy self-sufficient.

→ Mercado Habitado II promotes healthy and sustainable lifestyles. The market will promote local and organic produce. Public workshops are intended to raise climate awareness.

→ The project uses certified wood, recycled and local construction materials for both the structure and insulating frames.

Main members of the team

Team leader: Laboratorio De Cuidados Urbano
Architects: Sensual City Studio
Environmental expert: Zero-Consulting - Ecotec



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