

Laboratorio-Sur / Tercer Sonido

Site: Villaverde, Madrid



Reinventing Cities

Project Summary *TERCER SONIDO* is an architectural prototype that demonstrates how construction can also be a positive tool for ecology. Tercer Sonido is a place that converges new ways of living, working, consuming and producing energy. The project represents the opportunity for a union between two urban patterns that appear disconnected today: the residential and industrial areas of Villaverde.

TERCER SONIDO is a place of cohabitation, formation and transmission of knowledge. It promotes attractive programs for young students (such as residences, a music factory, rehearsal rooms, and sports areas), as well as new services for neighbors and workers of the industrial area (canteen-stage, auditorium, food services, an organic store, etc.). The program is appealing to professionals of the music industry, aspiring to make musical expression more accessible to the wider public, sharing and amplifying the knowledge and creation with the neighborhood through mediation and broadcasting.

Thanks to a productive landscape, Tercer Sonido will renature the site in order to foster agro-ecology with local food production. The project will achieve energy self-sufficiency through clean energy solutions. Finally, the project has a strong circular economy approach regarding end-of-life of construction materials.



Key Components & Solutions

→ Energy self-sufficiency will be achieved in part through low energy consumption, enabled by a bioclimatic structural design. Moreover, a solar photovoltaic installation will provide on-site energy.

→ The project aims to limit the impacts of the end-of-life phase of the project in its entirety. 95% of the building materials will be designed to be reused for other construction purposes at the end-of-life of the building.

→ Laboratorio Sur promotes biodiversity through allocating 45% of green space to the site's total surface area.

Main members of the team

Team Leader / Developers: E.BARDAJÍ & ASOCIADOS

Architects: SENSUAL CITY STUDIO / LABORATORIO DE CUIDADOS URBANOS/ BARDAJÍ ASOCIADOS/ ESTUDIO PERIFERIA
Environmental expert: ZERO-CONSULTING, ECOOO

