

## PHOTOVOLTAIC SKYLIGHT

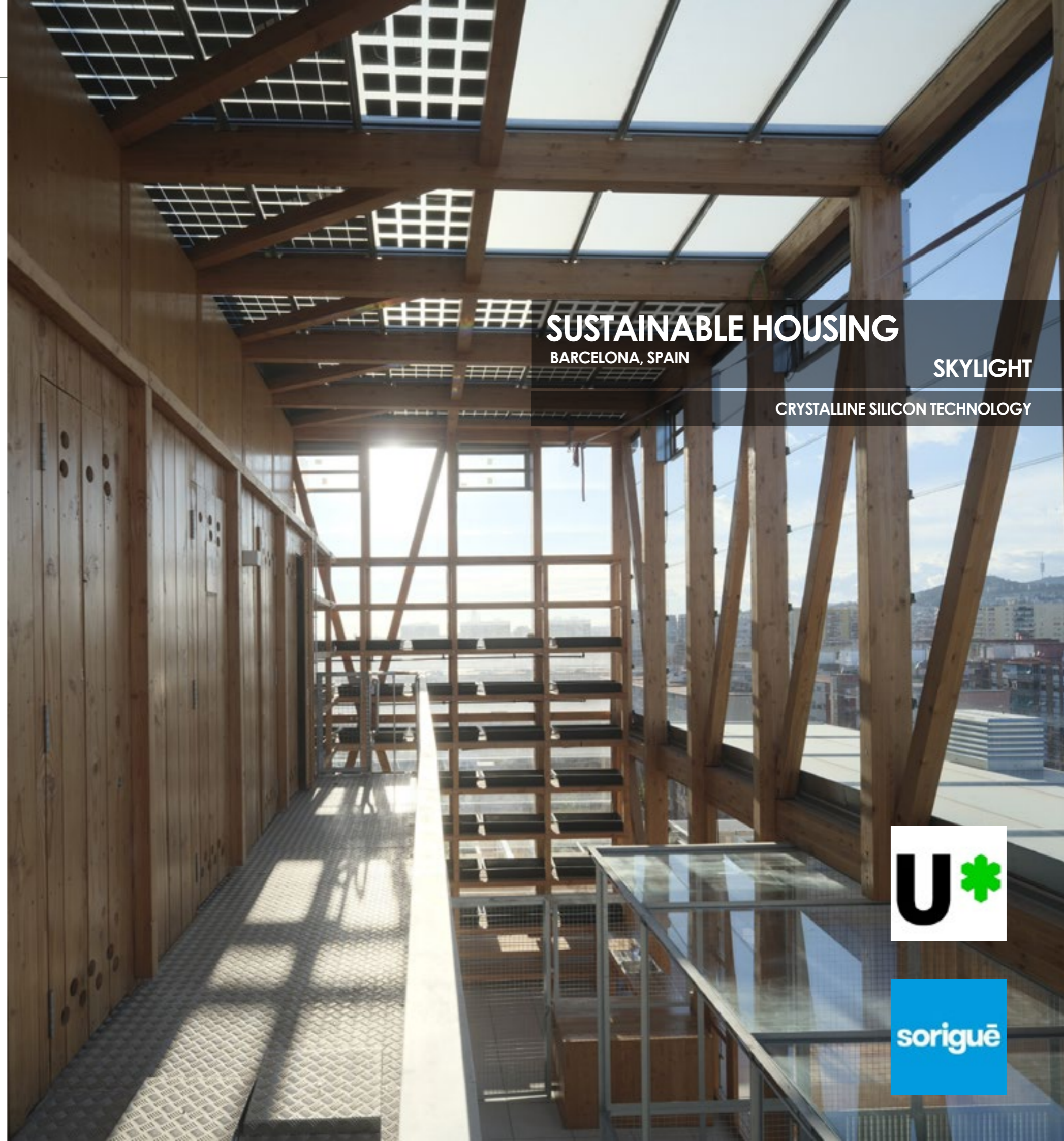
### NEW CONSTRUCTION

**Terraces for Life** is an innovative social housing building located in the Verneda i La Pau neighborhood of Barcelona. Designed by the Urbanitree studio, the project stands out for its regenerative approach, its cross-laminated timber (CLT) structure, and the integration of solutions that simultaneously address climate, social, and urban challenges.

The rooftop features a striking solar greenhouse over eight meters high, conceived as both a productive and communal space. **Onyx Solar semi-transparent photovoltaic glass** has been installed in this area, allowing natural light to enter while **generating clean energy for the building's common areas and the interior lighting of the greenhouse itself**. This solution transforms the skylight into an active surface that combines energy efficiency, comfort, and design.

Each apartment includes a spacious private terrace, and the entire complex is organized around a central courtyard that ensures natural light, ventilation, and a sense of community among residents. On the ground floor, there is a Digital Fabrication Hub equipped with 3D printers, CNC machinery, and a hydroponic laboratory.

Winner of the **first prize** in the competition promoted by the Barcelona City Council, recipient of an **honorable mention at the AVS 2025 Awards**, and a **finalist in the IV MINI Design Award**, this project represents a new generation of public housing where architecture, sustainability, and technology merge with a transformative vision.



**SUSTAINABLE HOUSING**  
BARCELONA, SPAIN

**SKYLIGHT**

CRYSTALLINE SILICON TECHNOLOGY

