



StoraEnso

Partner of Stora  
Enso

# Social Center of Espejo

## Espejo, Spain



This project is the perfect example of fast and efficient design and construction. Built by our partner Madergia, in order to receive grants and funding this project had a total design and build period of only 8 months. Such a tight deadline meant prefabrication was the only possible route, an innovative solutions were created to take this to the minimal build time possible, with multiple design teams working simultaneously. A galvanized steel frame for the foundation was used, pinned to pad stones to avoid the long waiting time of a concrete slab to cure. The CLT and glulam timber superstructure was erected in just 4 days, and the services were installed within the outer building envelope other than ventilation. This allowed the services installation and internal finishing to be completed at the same time. The external façade is fire treated Accoya system, and the external skin and opening design allowed high thermal performance and excellent energy efficiency.

The 12m x 23.5m building is centered around a large multi purpose function hall, with lots of openings for light, and is carefully designed for passive thermal difference throughout the space, by arranging openings to be mainly south facing. The large openings are possible due to the large glulam ribs, which also function as parasols.

Watch [here](#) the timelapse video of the project Social Center of Espejo.

### General

#### Delivery year

2016

#### Building type

Commercial

#### Area (m<sup>2</sup>)

282

#### Storeys

1



Photo credit: [Credit: Madergia](#)



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## Products

### Products and Services

Sylva™ CLT Floors and Roofs,  
Sylva™ CLT Rib Floors,  
Structural Timber (KVH®, GST,  
GLT)

### Product volume (m<sup>3</sup>)

130

### Product quality

Non visible quality (NVI)

### Number of deliveries

3



Photo credit: [Credit: Madergia](#)



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## Team

### Partner of Stora Enso

Madergia

### Architect

Nerea Otaduy and Ricardo  
Aristizabal

### Specialist Timber Subcontractor

Madergia

### Developer

Arabako Lanak

### Main contractor

Eraikuntza Birgaikuntza  
Artapena

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## Others

### Construction duration (months)

2

### Timber superstructure erection duration (weeks)

1



Photo credit: Credit: Madergia



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