

# CALANDRIA OLIVE FARM HOUSES

PROJECT: CALANDRIA OLIVE FARM HOUSES

LOCATION: DELTA DEL EBRO . TARRAGONA . SPAIN

YEAR: 2000

This twenty hectare family farm with 2,500 olive trees is located on a high valley overlooking the Ebro delta and the sea. Two houses were built on the site, one main house and one for guests.

The ensemble was designed to be self-sufficient and solar energy is harnessed through photovoltaic cells to generate electricity and solar panels for hot water.

Two curved stone walls enclose the ample space on the ground floor of the main dwelling, which contains the common areas, a bedroom, a bathroom and storage space. The suite overlooking the delta is on the top floor. Outside an outdoor eating area with barbecue was designed.

Due to its location on the site and the position of the windows, the sun enters the house according to the seasons, regulating the comfort of the rooms. The first floor is warm in winter, due to the temperature and atmosphere created by the sunlight, and fresh and airy in summer, thereby fulfilling one of the basic principles of bioclimatic architecture.

The project is inspired by the vernacular house with pitched roofs to collect rainwater.

Materials that stand out include tiles, the use of local stone, plaster in other shades, terracotta tiles and woodwork.

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