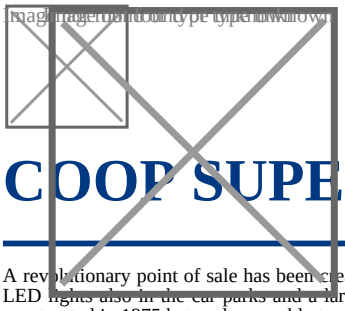


COOP SUPERMARKET, MARANELLO (ITALY)

A revolutionary point of sale has been created in Maranello, a town renowned for its attention to the urban environment, with a range of solutions including solar panels and LED lights also in the car parks and a large number of features to provide customers with the maximum functionality and practicality. Replacing the original supermarket, constructed in 1975 but no longer able to meet the needs of the 4,600 Coop Estense members in the Maranello area, the new structure has three times the original surface area. **High strength and low weight are key aspects of the project, thanks to the use of laminated wood Sistem Costruzioni** was responsible for creating the impressive roof structure with its surface area of 1750 m^2, which, despite its size, remains a lightweight building element. The main peculiarity of this project is the **guyed structure of the roof**, which is completely suspended. The design is based on a massive external steel pillar designed to support the ridge beam of the roof by means of steel cables, in a solution that made it possible to dispense with concrete pillars obstructing the sales floor. Another distinctive feature of this roof project is its unusual combination of three different materials: reinforced concrete, steel and wood. In this combination wood plays the indispensable role of guaranteeing low weight and high flexibility of the entire structure, in addition to assuring a tasteful and refined aesthetic impact. **Energy saving with solar panels and LED lighting** Displaying exceptional attention to energy saving requirements, the entire surface of the roof is covered with photovoltaic panels which are estimated to produce more than 62 thousand kWh, equivalent to the annual electricity consumption of 30 Italian households. Again in relation to the “green” spirit of this shopping centre, the designers chose to install LED lights for the sales floor, for the 140 place exterior and covered parking area and for the frozen food counters cover to allow the chillers to reach the required temperatures rapidly and maintain them with a significant reduction in energy requirements.

PRODUCT SPECIFICATION

Supermarket
Localization:
Intended use: Shopping facilities
Architetural and structural design: Architect Corradi
Total area: ft

BUILDING SYSTEM

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Sede / Headquarter:

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