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DATI

PLACE:
Milano EXPO 2015

DESIGN PERIOD:
2015

CONSTRUCTION PERIOD:
2015

CLIENT:
VFD (Veneranda Fabbrica
del Duomo)

System Design



The building is mainly made of laminated wood, on a area of 3592 square meters, it is inspired by a symbol of the French food culture: the market hall. The pavilion is inspired by the fact that local markets are found in many French cities, and they represent the overall theme of Expo Milano 2015, with emphasis on food independence, access to food and the qualitative dimension of nutrition.

Special Electrical systems: In order to avoid events that can partialize electrical power, the project expected to adopt high safety equipments and components. System architecture expected power backup and security, for emergency lighting and for electronic consumers. Ordinary maintenance can be done in safety condition even continuing powering different elements, so that you can take advantage of time in troubleshooting and in parts replacement breakdown compatible with the proper execution, without being forced to make "bigger" interventions. This system is flexible and modular, it takes care of safety regulation for things and people, and it guarantees a high level of comfort.

Air conditioning system: In summary, the design was carried out in order to obtain systems characterized by: high level of reliability, maintainability, continuity of service for its various uses; selectivity of system, safety; high degree of comfort.



Energy saving design choices: The production of heating and cooling has been chosen in order to have an innovative system capable of ensuring the required performance with high efficiencies. It is a system capable of simultaneously produce cold and hot fluid , so the user is free to choose whether to implement a system for cooling or heating, without prejudice to the choice of the other locals. This system is able to manage and optimize the loads recovering the thermal energy drawn in the locals that require cold and transfer such energy to the locals that are heating.



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