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DATI

PLACE:
Milano EXPO 2015

DESIGN PERIOD:
2014

CONSTRUCTION PERIOD:
2014-2015

CLIENT:
EXPO 2015

System Design



EXPO CENTRE consists of EXPO offices, RAI offices, media center, conference room, TV studio and bar. The Expo Centre pavilion is a multifunctional structure where you can host events, shows and conferences, it has the characteristics of a temporary architecture and therefore has been conceived and designed to be subsequently removed, with the possibility of recovery of the material used. It represents an important mark on the area and the architectural and landscape forms the backdrop of the Decumanus crossing the Universal Exhibition. Its integration to the context and the landscape is due to its architectural design and the material used to determine the symbolic character. Formally the Pavilion Expo Centre plays a piece of the earth's crust, which is lifted from the ground and placed in a prominent position. The architecture is characterized by hills that define the internal functions of the two hills of input, recognizable by the grand opening, called Open Plaza used to host outdoor events. The air conditioning is expected a replenishing with air ventilation. The strategy of air distribution generally involves inlet from top and the recovery from bottom. The air inlet ducts are developed from the technical areas and will be below the floor. The pipelines of recovery instead exploit the large crawl space below the floor (on average between 70 and 100 centimeters in width). It is expected the presence, in the top of each structure constituting the building, ventilation grilles in order to allow the natural escape



of hot air. The warm air is then replenished from the air exchange. In case of sensitive loads there are precision cooling cabinets with water batteries, installed outside the room. The electrical and special systems are: Electrical MT delivery and MT/BT transformation cabins; electrical panels, centralized normal and emergency lighting system; EIB / KNX system; sonorous information spreading EVAC system ; Fire detection system; Burglar alarm; CCTV system; Access control system; Installation of structured cabling; Earthing system; Audio / Video System ; systems for the scenic lighting of the auditorium, including American support beams.



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