



Industrial Engineering

Two multifunctional buildings Aeronautical Services Park Barcelona Airport (Spain)

AENA Aeropuertos / Drafting of conceptual, basic and final design / Project value: € 14.4M
Infrastructures (2007-2009)



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The aim of this project was to define the two multifunctional buildings that will house activities connected to the small storage areas, dressing rooms, offices and workshops of the different companies which perform their activities at Barcelona Airport.

Both buildings are distributed into a ground floor, a first floor, a second floor and a roof. However, their gross surface areas vary.

The buildings are located on different plots, one in the landside area and the other in the airside area. Development works for both are included in the design.

(Continued overleaf)





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Work phases

- Conceptual design
- Basic design
- Final design

Scope of work

- Industrial and office building
- Urban development
- Facilities

Technical data

- Overall surface area.
Building 1: 5,139.35m²
Building 2: 3,526,67m²
- Foundations made of round on-site piling braced by means of reinforced flooring
- Metal structure formed by flat frames of S275JR grade laminated steel profiles in pillars and beams
- Floor slabs made of non-composite decking and reinforced concrete compression layer
- Non-accessible inverted flat roof finished with a heavy layer of gravel
- Plumbing and sanitation for rainwater and wastewater
- Sanitary hot water installation with solar thermal collectors
- Low-voltage electricity and lighting
- Climate control and ventilation
- Voice and data installations
- Fire protection facilities
- Installation of photovoltaic panels
- Gas installation
- Electromechanical facilities

