



Industrial Engineering

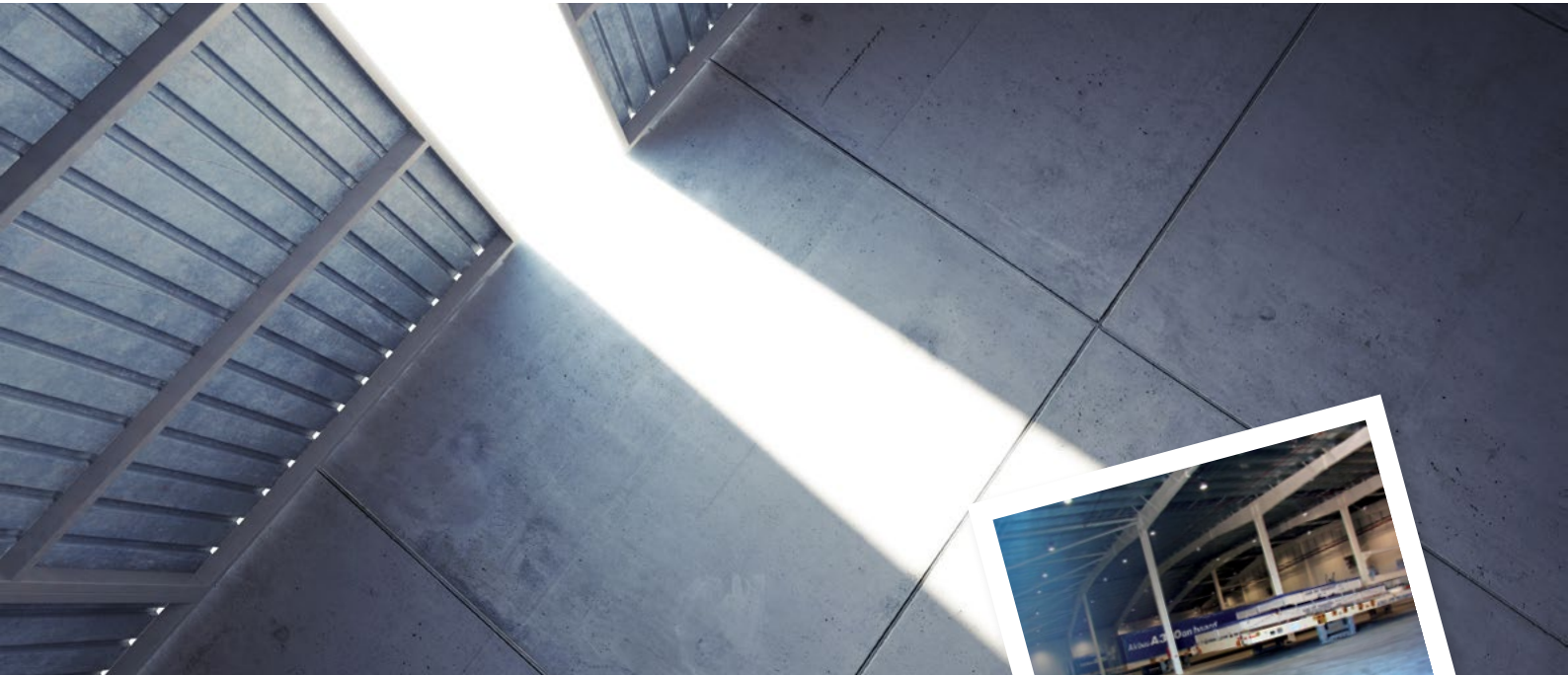
Aeronautical logistics centre for **A380 aircraft** Puerto Real, Cadiz (Spain)

AIRBUS Spain / Drafting of basic and final design, as well as works management / Project value: € 1.95M
Infrastructures (2003-2004)



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This work involved the design required to construct the logistic centre's building and industrial facilities to store A380 aircraft components manufactured at the Airbus plant in Puerto Real, Cádiz (Spain).

The building's gross floor area measures 3,114.55m², of which 108m² are dedicated to offices.

The solution adopted frees up as much of the warehouse's floor area as possible and concentrates the offices, facilities and dressing rooms in a corner providing service to the workshop.

(Continued overleaf)





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Work phases

- Basic design
- Final design
- Design of the transformer station and medium-voltage line
- Works management

Scope of work

- Industrial and office building
- Urban development
- Facilities



Technical data

- Plot surface area measuring: 8,641.75m²
- Built-up area measuring: 3,222.85m²
- Gross floor area on:
 - Ground 3,222.85m²
 - Top 108.30m²
- Developed surface area: 5,418.90m²
- Foundations made of prefabricated square-shaped piles, pile caps and reinforced concrete brace beam
- Metal structure formed by flat frames of variable cross-sections and slab floors of offices made of composite decking
- Gable roof made of sandwich panels
- Plumbing and sanitation for rainwater and wastewater
- Low voltage electricity and lighting
- Climate control and ventilation
- Voice and data installations
- Fire protection facilities
- Compressed air
- Transformer station

