



Industrial Engineering



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Upgrading the Special Processes Building for the **A350 S19RTM** programme Getafe, Madrid (Spain)

AIRBUS / Drafting of construction design specifications, as well as works management
Project value: 600,000€ **Infrastructures (2010)**



The document sets forth the guidelines for the construction of the new building for aircraft prototypes, along with the taxiway from the runway to the building and the adjacent facilities building.

The building has a rectangular floor plan and occupies a surface area of 7,413.28m² comprised of a large open-plan area and an office hub distributed on four floors (ground floor + 3 floors). Two large doors measuring over 70m long and 18m high stand out on the main façade.

An adjacent module is located along one of the sides, which will be the transformer station.

This project includes the technical description and cost estimate to upgrade the Special Processes Building for the new A350 RTM programme in order to adapt the production process to new technologies.

The works described in the document were carried out inside an already built building and included the execution of micropiling to install machinery, repairs works on existing cladding, installation of ventilation ducts and refurbishment of the existing metal staircase on the building's roof.

(Continued overleaf)





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Work phases

- Final design
- Works management

Scope of work

- Foundations in existing building
- Repair of cladding and finishing
- Facilities

Technical data

- Surface area affected by the works:
2,100.02m²
- Foundations made of micropiles, pile caps
and reinforced concrete brace beams
- Low-voltage electricity
- Ventilation
- Compressed air
- Vacuum network
- Fire protection facilities

