



Industrial Engineering

Composite Manufacturing Centre Layout review

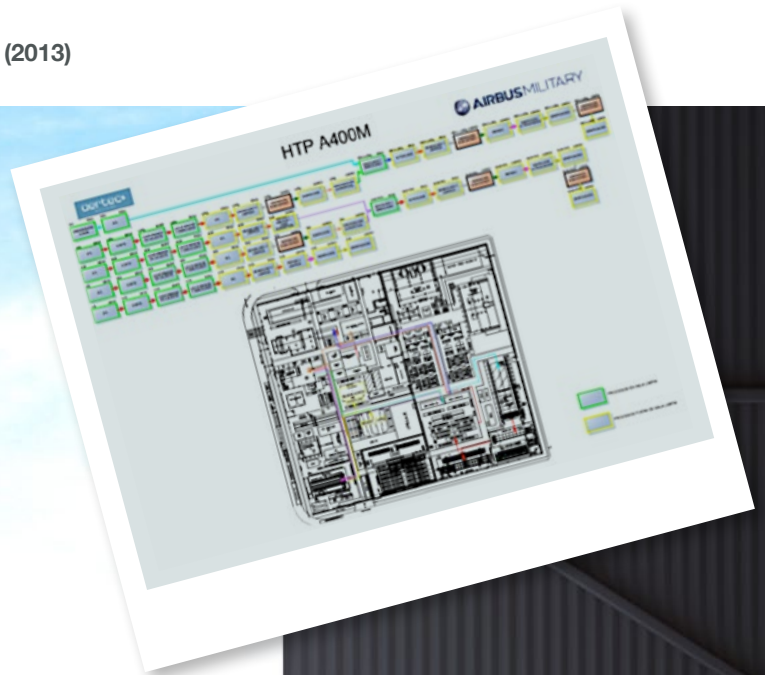


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Airbus Military / **Industrial facility design (2013)**



This project consists of the analysis and validation of the layout proposal developed by Airbus Military related to the extension of the Composite Manufacturing Centre located in Centro Bahia de Cadiz (Spain).

This plant extension would allow including the new working package Fan Cowl A320 Neo inside the plant. Finally an innovative transport solution between autoclaves and clean room was also proposed to be analysed and validated by AERTEC Solutions.

AERTEC Solutions analyzed the industrial means and logistics of the materials referred to all the work packages that will be developed in the future state of this factory. Capacity analysis of the industrial solution to connect the clean room and the autoclaves was developed in order to guaranty the achievement of the production rates for all the working packages inside the plant.



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Work phases

- Data collection
- Analysis of the processes and transportation
- Validation and proposals

Scope of work

- Flow of materials and industrial means analysis
- Capacity analysis for the innovative transport solution
- Final validation report

Technical data

- One hangar measuring 14,280 m²
- Clean Room measuring 7,850 m²

