

L'Aquila New Plant Features

The new industrial site in L'Aquila is intended to be a benchmark for the Abruzzi capital city's industrial rebuilding, planning high qualitative standards and strong integration with the city.



57.000 sqm

area for the new industrial site

16.000 sqm

logistic/production area of which:

4000 sqm - offices;

4500 smq - clean room;

7500 smq - laboratory, storehouse,
technical area.



PRODUCTION AREAS

The production areas were designed according to Lean Design criteria

This will make it possible to achieve continuous, optimized work flows with high reconfigurability such as to meet production volume variance requirements as well as technological requirements.

The adopted solutions will lead to significant improvement in production efficiency and a decrease in product lead times.

FACILITIES AND EARTHQUAKE-PROOF SYSTEM

The buildings comply with the strictest earthquake proof criteria envisaged by the new relevant regulations.

From the structural viewpoint, the new plant was designed to provide a very high guarantee of seismic protection which, besides safeguarding personnel, will prevent the interruption of work activities in the event of an earthquake.

In particular, for the main building, where the production areas and offices are located, the design choice was to place "seismic isolators" at the base of the structure. This solution allows a high level of reduction of the energy transmitted during an earthquake from the ground to the structure, thanks to the decoupling of the motion of the ground from that of the structure itself.

ECO-SUSTAINABILITY

The entire project is inspired by the principles of sustainable architecture, with special regard for energy savings and the bioclimatic aspects of the buildings.

The buildings are oriented to take advantage of exposure to the sun.

Irradiation control systems have been provided for, such as "Brise Soleil", making it possible to limit the direct irradiation effects of the sun.

Specific design solutions were adopted in particular for air conditioning systems in the various production areas, for the widespread use of heat and construction material recovery systems which, besides meeting eco-sustainability criteria, allow minimizing heat loss (the building shell meets category A requirements).

IN COLLABORATION WITH
Finmeccanica Group Real Estate S.p.A.

Which developed the design based on the specific requirements defined by Thales Alenia Space Italia.

Which contributed to the identification of the ground, maintained relationships with the local institutional bodies, managed the calls for tenders and followed the plant construction and testing phases.

