



Storage Systems





We design, calculate and manufacture storage systems, going from the most basic to the most sophisticated and advanced solution.

We guarantee the quality of our processes creating reliable products, to satisfy our customers storage needs.



Esnova Racks S.A. Head Office and Manufacturing Plant - 46.600 m²





EXPERIENCE

We have a team with extensive experience in the logistics and handling industry.

WE EXPORT TO MORE THAN 30 COUNTRIES

TECHNOLOGY

Our machinery at your disposal. We are equipped with the most flexible and advanced production systems.



We count on our own laboratory to test the different components of each system, carrying out tests to check load capacities, resistance, buckling, etc.

QUALITY

Quality as a priority standard is established on each and every process Esnova develops.

The group invests in quality and safety and also promotes environmental respect.

- Quality management system certification (ISO 9001).
- Environmental management system certification (ISO 14001).
- Occupational health and safety management system certification (OHSAS 18001).
- CE marking certification acc. UNE EN 1090.
- Member of the European Federation of Material Handling FEM/AEM.









RACK CLAD BUILDINGS

The best solution for the storage in height (More than 40 m. high).

- The racking is its own building structure (self-supported).
- Construction of conventional warehouse building is not required.
- Makes the máximum use of available space.
- Flexible and adaptable to your storage needs (loading units, dimensions, ...)
- Automated systems with levels of productivity.





Rack clad buildings storage solutions are technologically advanced structures, that allow the storage of palletized goods in the height (up to +40 m.), and serve the dual function of storage equipment and building structure, on which cladding and roof are fixed.

. 120 m

44,5 m.





Rack clad building for palletized goods



VERSATILITY AND PRODUCTIVITY

Each rack clad warehouse is unique, because each project has its own requirements and each customer requires a solution adapted to its needs. Rack clad buildings provide a solution for the particular logistic problem posed, and can achieve a high grade of automation and high level of productivity, reducing the operating costs in the warehouses.











PROFESSIONAL AND COMPREHENSIVE PROJECT MANAGEMENT

From the inception and the design of the most appropriate logistic solution, including the calculation applying valid norms and standards, the execution of tests when required, the manufacturing of the racking components that build up the storage system, up to the installation on site with supervision of own supervisors with extensive experience.









DESIGN AND KNOW HOW

For the design of rack clad building storage solutions state of the art technic and norms are applied. 3D calculation and finite element procedures permit the optimization to support all loads like own weight, loading units, forces produced by stacker cranes, as well as wind, snow and seismic loads when required.





SPECIFIC DEVELOPMENTS

Rack clad buildings for the storage of boxes permit to combine the storage of light duty boxes with an optimize space utilization both in height and on plant, with a higher process automation of order picking. Together with a high storage density, picking times and errors can be reduced.





Rack clad building Miniload for the storage of boxes





WITH ALL GUARANTEES

Rack clad buildings are big installations of permanent nature where the racking equipment also serves as fixing support for lateral cladding and roof. According to the european regulation 305/2011/UE (Construction Products Regulation or CPR), which is in force since July 1st of 2014, all rack clad buildings have to be certified with the so called CE marking.

> Esnova certifies all its rack clad warehouses with a CE marking certificate according to the norm EN 1090-1:2009 / A1 2011 "Execution of steel structures and aluminum structures. Requirements for conformity assessment of structural components ".

CERTIFICATE



<u>Light and Medium Loads:</u> Manual Rack Riveto Shelving System Slotted Angle Shelving

arge Loads:
Pallet Racking
Drive In
Shuttle Cart
Cantilever
Rack Clad Building
Robotized Systems

Handling: Containers

<u>Safety</u> Modular Guards



Warehouse Management Software:

How to organize a warehouse? This software specially designed to the warehouse management is the perfect IT tool to have a logistic control of your storage space.





Management System ISO 9001:2008 ISO 14001:2004 OHSAS 18001:2007 EN 1090



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