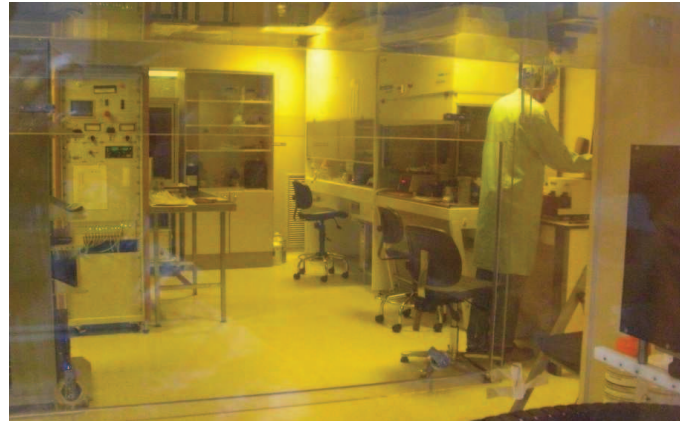


The relevant Clean Rooms projects have been directed and implemented by our highly qualified personnel, with our know-how and experience in this type of installations

All Rooms have been custom made "key in hand", from initial design to final certification, including:

- \* Design of critical zones, clean or controlled contamination.
- \* Civil buildings and room structure (parameters, ceilings, antistatic floors, etc)
- \* Systems of climate control
- \* Systems of filtration
- \* Special fluids and processing fluids
- \* Auxiliary facilities such as steam, compressed air, gases, vacuum, etc.
- \* Equipment such as contamination interlocks, thin laminates, isolation curtains, etc.
- \* Supply and installation of plant machinery and auxiliary equipment
- \* Simulation of room contamination and recovery
- \* Validation and commissioning
- \* Implementation of management software



*Clean Room Facility. Class 10.000*

*Client: ICMOL. Valencia University*



*Air Conditioning of surgical operating room*

*Client: "San Francesc de Borja" Hospital, in Gandía (Valencia)*

Following our business strategy that is oriented to satisfy the needs of our clients, we strive to optimize technically and financially the resources to guarantee on-time delivery and high quality of our installations with the maximum environmental security.

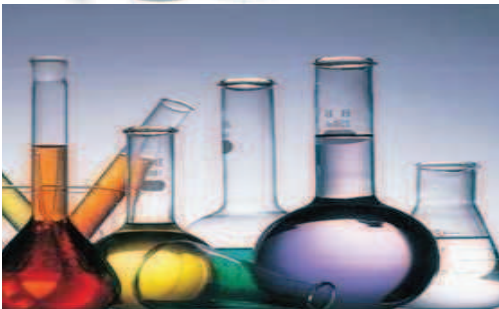
## FIELDS OF ACTION



*Pharmacy, oral medicine, sterilised, biotechnological, Ingredients, veterinary medicine, Research+Development, cosmetics, manufacturing of “API s” – Active Pharmaceutical*



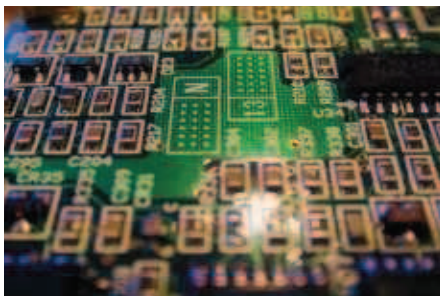
*Operating rooms, Pharmacy, Hospital and rooms for the immunosuppressed, Infectious patients*



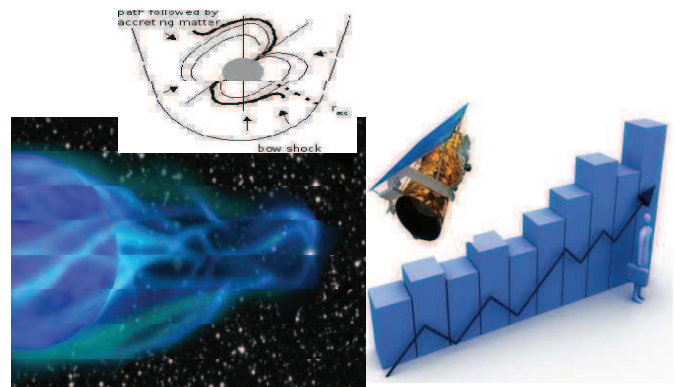
*Laboratories of Research + Development, biological, chemical, inactivation of effluents, Bio waste*



*Thin laminate food packaging, such as, sliced precooked dairy, meat and pastry product.*



*Nanotechnology, biotechnology, animal farms, bio contamination*

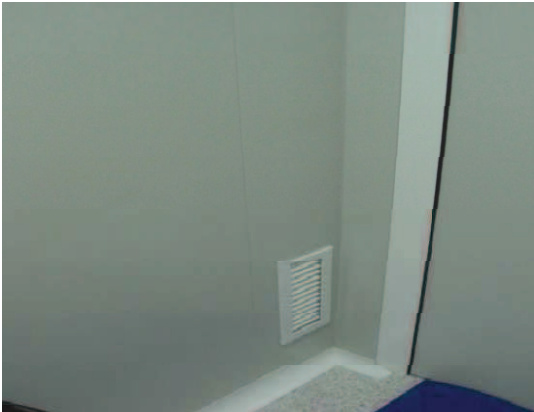


*Microelectronics, photovoltaic, aerospace, automation, optics*



# Tysein

Técnicas y sistemas energéticos  
e ingeniería S.L. CIF B-98156391



## **INFRASTRUCTURE OF CLEAN ROOMS**

We take care of the total construction of the clean rooms, from the design, based on the flows of people and products.

A good design is fundamental to maintain the commitments to achieve good containment and sterility.

The system of architecture used by TYSEIN incorporates the following characteristics:

- Enclosures specially designed for clean zones or areas of bio-containment.

- Based on a modular construction system, self-supporting for easy cleaning and decontamination, inorganic, impermeable to liquids and resistant to chemical agents that can be used for cleaning and decontamination

- Sandwich (laminated) panels for implementation of walls, finished in phenol resins and lacquered steel sheets or stainless steel and with polystyrene core, mesh of aluminium honeycomb , or rock wool.

- The windows are perfectly levelled by both faces of the panel.

- The door edgings and seals for closings have been designed with curved forms to avoid dust accumulation and for easy

- Watertight doors with draft excluder of inflatable closing seals for the areas of bio-containment BSL-3

- Removable ceilings of modular or continuous design that allow easy access to maintaining the installations

- Wide range of solutions, products, accessories and materials (sterile passage steps, interlocks, etc.)

- Flexibility to adapt to the requirements and needs of the users.