

**Hygiene & safety integral solutions** 





# INTRODUCTION

**Lab Safety Consulting, SLU** is presented as a pioneer company at the national level in offering a comprehensive service for all aspects related to the management of health and safety and good practices, both document management and development activities and from the design phase to management daily operation of the installation. **Lab Safety Consulting, S.L.U.** is specialized in laboratories, R&D clean rooms and production plants, animal and other special facilities.

This comprehensive service is based on two interrelated activity areas that produce obvious synergies:

- Consultancy in the management and development of activities in safety and hygiene, prevention of occupational risks, good practices and environmental protection: design and evaluation, legalization, drafting of internal regulations, training, etc.
- Consultancy in the application of special cleaning, disinfection and validation processes in rooms, facilities and instrumentation.



Our services are aimed to the pharmaceutical, health, veterinary, biomedical and biotechnology research fields and to the food and biotechnology industry. Both in the research and development and in production phases.

The Lab Safety Consulting, SLU team has extensive experience in managing safety and hygiene, prevention of occupational risks and good practices in large workplaces, with a wide variety of activities and diversity of risks: biological containment laboratories, chemical laboratories, animal facilities, radioactive facilities, pilot plants, clean rooms, etc.

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# COMPREHENSIVE CONSULTING SERVICES

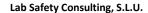
For institutions that need facilities with controlled environments with high levels of hygiene and / or pollution control, and for those in which hazardous agents (biological, chemical, radioactive) are handled, comprehensive management services are offered in Safety and hygiene, prevention of occupational risks and good practices

### **DESIGN AND ASSESSMENT OF LABORATORIES AND OTHER FACILITIES**

- Development / review of the facility's conceptual design of the related to biosafety and biosecurity, chemical safety and radiation protection.
- Collaboration with the architectural-engineering team, offering the advanced user and safety expert's point of view for the optimal design of the facilities.
- Selection of design elements: location, size and characteristics of facilities, biological containment measures required, distribution of equipment, etc.
- Evaluation of facilities to check their suitability with current regulations or other standards.
- Facility commissioning plan. Design and supervision of its development.
- Applicable to:
  - Biological containment laboratories.
  - Animal facilites.
  - Greenhouses.
  - Clean rooms and production plants.
  - Radioactive facilities: laboratories with non-sealed sources, gamma irradiation, positron emission tomography, computerized tomography, etc.
  - Warehouses for chemicals and special waste.
  - Associated facilities and service networks: air treatment, liquid effluent control, etc.

# **LEGALIZATION OF FACILITIES AND ACTIVITIES**

- Obtaining authorizations and notifications of facilities and activities: containment laboratories, genetically modified organisms, radioactive facilities, etc.
- Drafting and presentation of the necessary technical documentation.
- Follow-up of the files until finalization



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#### **ELABORATION OF INTERNAL WORKING PRACTICES DOCUMENTS**

- Basic guidelines and safety and hygiene manuals.
- Standard operating procedures and technical instructions.
- Advice in drafting of preventive management documentation.

### **TRAINING**

- Conducting biosafety, radiation protection and chemical safety courses.
- Conducting courses on validation and sterilization procedures.
- Conducting internal training courses.

# MANAGEMENT OF PREVENTIVE AND SAFETY AND HYGIENE ACTIVITY

- Advice on and development of biological, chemical and radiological risk assessments.
- Advice to the customer's in-house or external prevention service.
- Management of the preventive activity according to the results obtained in the risk assessments: preventive planning, PPE, coordination of business activities, medical surveillance, etc.
- Design of the operational surveillance plan related to the monitoring of the practices in place.
- Development of all those activities necessary for the optimum operation of the facilities: operational surveillance, waste management, completion of records, etc.







### **DEVELOPMENT AND IMPLEMENTATION OF MANAGEMENT SYSTEMS**

- Development and implementation of Occupational Health and Safety (OHSAS 18001) and Biological Risk Management (UNE-CWA 15793) Management Systems.
- Design and elaboration of documentation: Manual, procedures, work instructions, records.
- Implementation and monitoring of the System operation. Internal audits.
- Integration with other Management Systems (ISO 9001, ISO 14001).

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# MANAGEMENT OF HAZARDOUS WASTE (BIOLOGICAL, TOXIC AND RADIOACTIVE)

- Design of hazardous waste management plans.
- Legalization as a producer: drafting, presentation and follow-up with the competent authorities of the technical documentation for the application.
- Control of production, segregation, collection, internal transport, storage and transfer of waste to authorized specialized waste management companies.

#### SPECIALIZED CLEANING

- Consultancy and advice for hiring and supervising the service.
- Special manual cleaning methods for laboratories, clean rooms, animal facilities, etc., as well as their facilities and equipment.
- Surface biological decontamination, both in normal operating and emergency situations.
- · Validation of cleaning methods.

#### **DISINFECTION**

- Consultancy and advice for hiring and supervising the service.
- Environmental disinfection for rooms and equipment.
- Possibility of using the client's equipment, implementing their own procedures.
- Study and optimization of the procedures applied by the client.
- Validation of disinfection processes.

# **VALIDATION OF ROOMS, FACILITIES AND EQUIPMENT**

- Consultancy and advice for hiring and supervising the service.
- Operation Qualification of air handling facilities, laminar flow systems and sterilization facilities and equipment.
- Validation of processes performed in cleanrooms and biological containment laboratories, and those related to safety and waste and biological material inactivation.

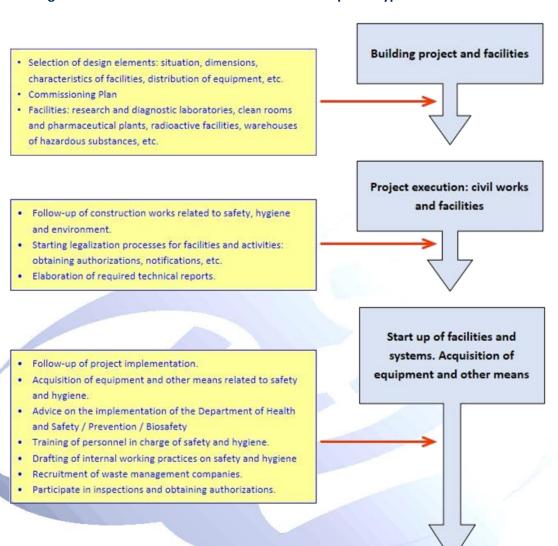


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# A non-exhaustive example of services provided by LSC:

# Diagram of actions for the construction and start-up of a hypothetical research center



- Start up of the facilities.
- Supervision of Commissioning Plan development .
- Coordination with the prevention service: Initial risk assessment, Self-protection plan of the building, specific medical surveillance, training of personnel in safety and hygiene.
- Start of the preventive activity: correction of deviations, operational surveillance, ending the training of personnel in charge for safety and hygiene

Start of activities in the new installation

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# CONTACT

As indicated above, Lab Safety Consulting, SLU is presented as a service provider in a truly innovative field of application and with an integration of services, some of them very specific, which currently does not realize any company at the national level. On the other hand, thanks to the experience of its technicians and consultants, Lab Safety Consulting can reliably undertake any type of action related to the activities indicated above.

Our maximum interest is total customer satisfaction, fully adapting to your needs and requirements, designing and developing our services so that the client's facilities work optimally and with the highest level of safety and hygiene and maximum optimization of costs.

For any query, as trivial as it may seem, do not hesitate to contact us:

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