

Professional Design of laboratory technology

Use of specific equipment and process systems

IDEAS INSIDE 

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The HI Bauprojekt GmbH is certified according to DIN EN ISO 9001:2008



Design services for technical laboratories.

The requirements for the specialized planning of technical laboratories is increasing. This is due to increasing complexity of laboratory facilities required for R&D and also for production. The interdisciplinary links between the various research fields and the rapid development of scientific instrumentation leads to a high demand for quality laboratory planning and design.



Planning services for building installations Planning of laboratory technology and design of scientific devices

The specialists at the HI-BauProjekt GmbH have extensive knowledge and experience in the planning and realization of laboratories. The implementation of customer requirements for us is top priority. Satisfying the specific requirements of our clients and fulfilling their expectations is our top priority.

- Working closely with our clients for the successful completion of the project
- Integration of client specific requirements, completion of the risk assessment, laboratory compliance and building control approval for issues such as explosion protection and radiation protection.
- Compliance with relevant rules and regulations, including DIN and EN standards and workplace regulations.
- Inclusion of the laboratory user and the client in the technical decision making process.
- Reviewing and considering the proposed building and

laboratory structure, development of relations with the intended device technology, impact of the introduction of major equipment, development of media demands.

- Setting up of detailed construction schedules for all individual trades involved in the project
- Consultation and coordination will all of the project team- definition of battery limits.
- Considering the environment and health and safety on employees in all decisions
- Integration with the requirements of all other trades (*Security systems, ventilation concepts, escape routes, future expandability, media supply and waste concepts, logistics*)
- Development of sustainable, technical and operational solutions in cooperation with the lab operators to ensure optimal lab functionality and reducing operating costs.

BUSINESS FOCUS / USER

- ⇒ Teaching and Research
- ⇒ Universities and Colleges
- ⇒ Research institutions
- ⇒ Industrial laboratories
- ⇒ National Laboratories

SERVICES

- ⇒ Professional technical consultancy
- ⇒ Project development
- ⇒ Specialized studies
- ⇒ Planning & Design | Project Management
- ⇒ Cost control

WE HAVE REFERENCES FOR:

- ⇒ Laboratories for organic and inorganic chemistry
- ⇒ Physics laboratories, optics laboratories, special laser laboratories (up to Class 4)
- ⇒ Nanotechnology labs and high-tech laboratories
- ⇒ Laboratories for clinical chemistry
- ⇒ Microbiological laboratories
- ⇒ Genetics laboratories
- ⇒ Laboratories for electrical engineering, mechanical engineering, Opto-mechanics, precision engineering and medical technologies
- ⇒ Laboratories for food testing
- ⇒ Laboratories for Biotechnology and analytical measurement
- ⇒ Laboratories for material investigation
- ⇒ Veterinary laboratories
- ⇒ Research and Educational laboratories
- ⇒ Environmental laboratories
- ⇒ Quality control laboratories

BRANCHES OF EPC GROUP

<ul style="list-style-type: none"> • General construction planning • Planning of technical building equipment • Planning of industrial buildings • Planning of Infrastructure • Planning of laboratory equipment 		
<ul style="list-style-type: none"> • Renewable energies • Polymers and fibers • Fibers and filaments • Chemistry • Engineering services 	<ul style="list-style-type: none"> • Pharmaceuticals • Fine chemistry • Specialty chemistry 	<ul style="list-style-type: none"> • Cryogenic systems • Systems for compression and liquefaction of gases

Our expertise

Engineering | Project management & control of industrial projects

Investment costs Building • Laboratory facilities • Production facilities • Social and office building • Outdoor Facilities • Parking • Lifting • Workshops • Building code requirements	Logistics • Storage • Raw material handling • Auxiliary materials • Transport systems Core investment technology / Process / Method • Space required • Specific user requirements • Safety considerations	Infrastructure and ancillary facilities • Power supply • Media/Utility supply (<i>Cold water, compressed air, Nitrogen, etc.</i>) • Heating / ventilation / air conditioners • Electrical equipment, measurement and control instrumentation • Laboratory Equipment • Road and access design
Optimization of media and utility concept short routes		

CONTACT

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