

# Laboratories

## Creating Flexible Laboratories and Systems for all Safety Standards

### Exyte – plant design and construction

Exyte is a global leader in design, engineering and construction in the life sciences industry with a special expertise in controlled and regulated environments. With great teamwork our experienced specialists develop 'state-of-the-art' solutions for customers' laboratories – from consulting, concept and design to full turnkey project realisation including qualification and validation.

### Ensuring smooth project execution

The demands for the functionality of a laboratory have become increasingly multi-layered and differentiated. There are many aspects to be considered when building or converting a laboratory. With our profound expertise we ensure that the requirements of all parties are coordinated and planned at the outset, considering also safety classes and hygiene levels. Our dedicated team of experts creates modern laboratories with a high degree of flexibility and adjustability and provides precise investment and operating cost analyses.

### How you benefit

- Full turnkey laboratory design + construction
- High level of schedule and cost reliability
- Process-supporting allocation of areas
- Flexible utilisation possibilities
- Dedicated customer support
- Proven expertise and delivery



### Full Spectrum of Services



### Reference Clients

Astellas | Boehringer Ingelheim | Catalent | CSL Behring | Curevac | GSK | Hermes | Heumann | Medipolis | Nestlé | Novartis R-Biopharm | Roche | Universitätsklinikum Erlangen

# Laboratories

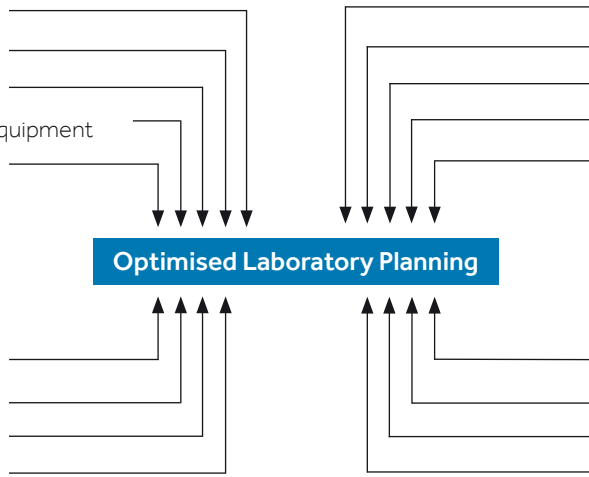
## Individual Solutions for Complex Demands

### Client

In-house regulations  
Present range of tasks  
Future range of tasks  
Integration of previous installations/equipment  
Experience and requests

### Standards and regulations

Occupational health and safety  
Environmental protection  
Biosafety  
Laws and regulations  
Technical regulations



Office for the Environment  
Factory inspectorate  
Fire protection authority  
Construction supervision

### Administrative bodies

Laboratory construction  
Construction and architecture  
Supply technology  
Clean room technology

### Participating disciplines

### Expertise for your project



#### Laboratory Design

Laboratory layout & planning  
Laboratory equipment  
Safety analysis of laboratory inventory



#### Laboratory Realisation

Safety laboratories  
QC laboratories  
GMP laboratories  
R&D laboratories  
Pharmacies



#### Qualification/Validation

DQ/IQ/OQ  
Equipment qualification  
Re-qualification  
Validation of procedures  
Computer System Validation (CSV)

### Integrated project delivery

Exyte assists you in all phases of your laboratory project – always with the user requirement specifications in mind. When developing your layouts, we consider factors such as specific production equipment of your company as well as industry regulations and standards at all times. Our conceptual, basic and detailed design services include several joint workshops to help you obtain an optimised layout of the laboratory. Based on the optimised laboratory layout, our experienced project teams will design the ventilation, media, gases, electrical circuits, BMS etc. in an initial concept. Following the detail design phase, we finally implement customised laboratory solutions that are tailored to your facility – on time and within budget.

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