

REPHA

Biopharmaceuticals





Sustainable growth

How a holistic planning approach effectively integrates diverse interests.



Background

Growth and increasing quality standards have pushed the biological pharmaceutical company Repha to its operational limits. Since the pandemic years, the demand for natural active ingredients to bolster the immune system has surged significantly, leading not only to a space shortage but also increased pressures on quality assurance.

In addition to supplementary workspaces that meet safety standards, ergonomic environments and building sustainability were also prioritized. The company pursued a solution that integrates optimal efficiency, technological advancement, and employee welfare.



Modern sustainability encompasses resource conservation and the enhancement of well-being.

The growing spatial demands prompted a comprehensive redesign of Repha's laboratory facilities. In collaboration with its long-standing partner Köttermann, HLL Landgraf Laborsysteme, the project was initiated swiftly and in close coordination with architects and laboratory planners.

The inclusion of all perspectives and wishes often remains wishful thinking on the part of fitters and employees – at Repha, this is precisely what was emphasised.



Objective: The convergence of functionality and sustainability

The primary objective of the project was to develop contemporary, organised laboratory environments that guarantee safe working conditions while being both functional and aesthetically pleasing. For the new building as a whole, the focus was clearly on **sustainable construction**.

In addition to the technology, the pharmaceutical company prioritized a **contemporary, transparent design**: operating in a structured and secure manner, delineating distinct areas of activity while maintaining visibility.



Solution: Comprehensive approach utilising cutting-edge technology

Through comprehensive planning, a contemporary laboratory environment was established that is ideally suited to Repha's requirements, meticulously designed to the finest detail.

The new facilities are engineered for **energy efficiency**: Repha utilises heat pumps and solar energy, thereby eliminating fossil-fuel heating systems. The removal of hot water storage tanks further minimises energy consumption.



An innovative **air concept** integrates the Köttermann fume cupboards into the ventilation and temperature control system, thus contributing to consistent laboratory air quality. The fume cupboards therefore fulfil a dual function: they not only protect employees during critical work steps, but also ensure a healthy room climate through air exchange.

Partial laboratories have become a reality to enable structured and safe working: Different areas of activity are separated from each other, but still kept visible. Today there is an HPLC and enzyme laboratory, as well as a weighing room, each separated by glass partitions.



Laboratory planning as a collaborative team

From the initial planning meeting involving HLL, the laboratory manager of Repha, laboratory personnel, and the architects from bss architektur and Köttermann, a crucial planning element was established: the future users of the spaces were actively engaged in the conceptual phase to ensure their needs and preferences were considered.



Solution-focused realisation

- ✓ Sustainable building technology
- ✓ Structured work areas
- ✓ Innovative laboratory technology
- ✓ Ergonomics and design





Results



200 sq m

Quality
laboratory

Transforming visionary concepts into tangible environments.

A laboratory design with foresight – the outcome of strategic planning, advanced technology, and effective collaboration. The new spaces seamlessly integrate functionality, sustainability, and aesthetics. For Repha, it represents more than a contemporary facility; it embodies a comprehensive approach that prioritises both individuals and the environment.

Technology was essential, but so too was a contemporary, luminous, and spacious design. For Repha, both were important. Glass walls create a balance between spatial separation and visual contact, which enables concentrated work and at the same time promotes a sense of community. Peace and quiet where it is needed: Disruptive work processes are now spatially separated from the rest of the laboratory.

Ergonomic workstations and a well-defined spatial structure enhance workflows and foster well-being. The cohesive aesthetic of Köttermann's Arctic White steel furniture, paired with the ceramic and HPL laboratory worktops in Baltic Blue, accentuates the spaciousness of the laboratories with a purist style.





Your favorite laboratory.
koettermann.com

Köttermann GmbH
Industriestraße 2
D-31311 Uetze

Phone: +49 5147 976-0
WhatsApp Customer Service: +49 5147 976-7000
Email: exploris@koettermann.com