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Project Sheet

Merck Darmstadt

Life Science Quality Control Lab
Building LS-QC, Darmstadt

#Science



Project Panel

Clients Merck KGaA, Darmstadt

User Merck KGaA, Darmstadt

Effective Area 4339 qm

Floor Area 8243 qm

Floor Volume 43953 cbm

Completion 2025

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On the premises of Merck in Darmstadt, a new **Life Science Quality Control Lab Building** is being constructed for 135 employees. The aim is to bring together various departments currently located on the campus in a modular new building. The **new analysis laboratory**, situated at the centre of the company premises, is designed as a future-proof and sustainable building to promote **communication and collaboration** among the departments, while providing an attractive environment that enhances the creativity and performance of the employees. The **LS-QC** serves as a production-related **service provider** for the ongoing **quality control** of all Merck manufacturing facilities based in Darmstadt. Since the products being tested are inorganic pharmaceutical active and excipient substances, a significant part of the working time is dedicated to documenting the results. The goal is to create a **work environment** that enables a balance between practical **analytical activities, result evaluation and documentation**, as well as communication with colleagues and interfaces. Key aspects such as **ergonomics, efficiency, communication, networking, and concentration** are exemplary in achieving this objective.

The building is planned to be constructed using a combination of timber and solid construction methods. The load-bearing structure of the ground and intermediate floors is designed entirely in solid construction. The load-bearing structure of the upper floors will be executed in timber construction for the office and communication areas, while in the laboratory area, it will be in solid construction.

From the explanatory report

Façade and construction concept

- Three-storey laboratory wing made of reinforced concrete as a technical, functional structure with aluminium façade
- three-storey office wing in solid timber construction with timber façade
- Fully enclosed technical wing on the ground floor made of reinforced concrete with an aluminium shell and ground-based façade greenery



The office areas are planned as open space with the aim of supporting **agile and non-territorial knowledge work**. In accordance with the **activity-based working** principle, individual and group workplaces, meeting rooms and thinking cells alternate with places for regeneration such as tea kitchens and seating groups.

Gebäudestruktur - Rohbau



wiederverwertbare
Materialien



verantwortungsvoller
Umgang mit Ressourcen



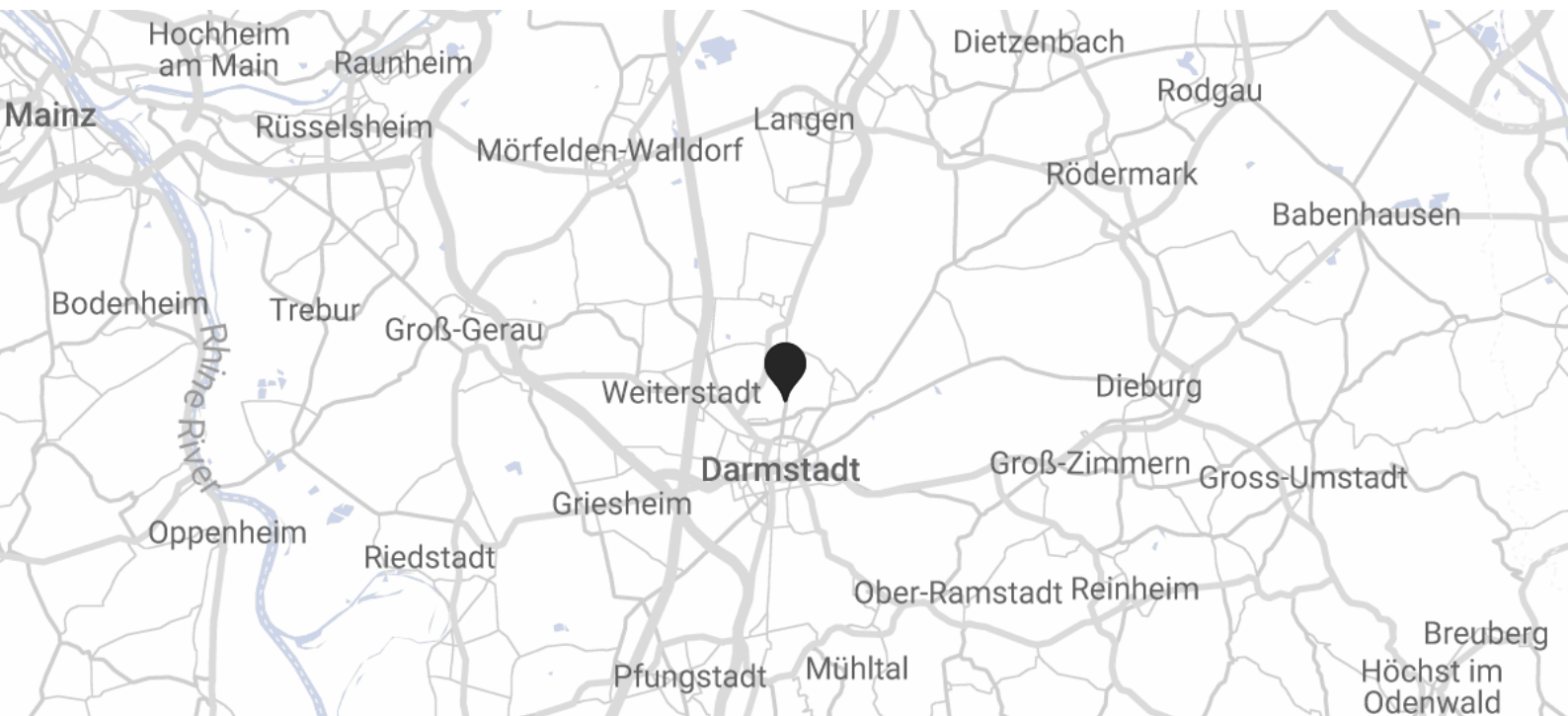
regionale Rohstoffe

Bauweise:

Rohbau Beton: 79 Vol.-%

Rohbau Holz: 21 Vol.-%

We prioritize responsible **resource management**, and therefore, we are planning a sustainable laboratory building with **regenerative energy generation** (self-sufficient) using a **low-CO2 construction method** and recyclable materials and resources that are primarily sourced from the region.



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Life Science Quality Control Lab Building LS-QC,
Darmstadt

Frankfurter Straße 250
64293 Darmstadt