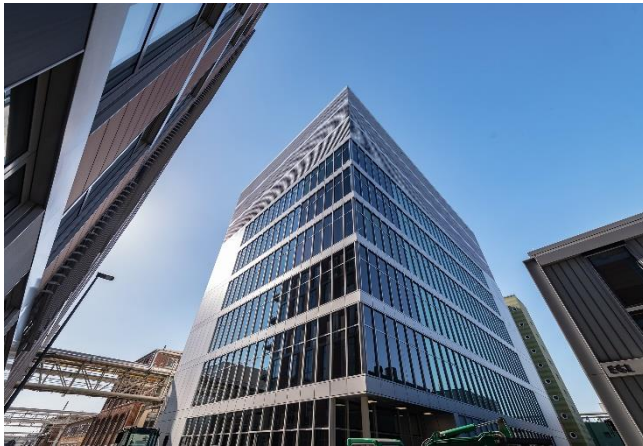


July, 19, 2021, 3-5 pm

## Virtual study tour at Merck E65 research center Darmstadt



Merck KGaA has built the new **E65 Performance Research Center**, a central laboratory and research building with technical center space for the Electronics business sector, at the Darmstadt site to replace the existing building.

It is a functional and future-oriented research building with an attractive and modern working environment that promotes communication and cross-organisational interactive collaboration among users

through its transparent and open design.

The new building includes chemical and physical laboratories, pilot plant areas, offices and communication spaces. The project was completely planned and realized using the Building Information Modelling (BIM) methodology.

Structural synergies are created through the combination of areas with similar functional requirements in the building. The building's occupancy is also organized in such a way that units with strong working and communication relationships are situated close together.

The new building features switchable Eyrise® liquid crystal windows in the meeting rooms to provide privacy and protection from the sun, and the light penetration can also be dynamically changed electrically.

Merck licrivision® glazing is an in-house development of Merck KGaA and is based on the use of liquid crystals, which Merck is the world market leading manufacturer of.

Merck KGaA's communication concept, which provides lab technicians and scientists with the opportunity to work closely and interactively together in a shared open office space, has undergone consistent further development in the new building.

The rectangular structure measures 42.6 m x 27.6 m and has a ground floor, 5 upper floors, a basement and a two-storey technical centre as a roof centre.



The state-of-the-art laboratory and office building was officially opened in May 2020 after a total project duration of approximately 5 years.



**Jan Sauer, dipl.ing,  
Merck KGaA**

1994 Diploma at TH Karlsruhe, discipline process engineering (Verfahrenstechnik)

1994 – 1998 ABB Umwelttechnik GmbH, Butzbach

since 1998 Merck KGaA, Darmstadt

Jan Sauer, born in 1967, works for Merck KGaA as Lead Project Manager of production and research facility investments.

He has more than 20 years of experience as a project manager over all phases of a project. Starting with the development of project goals derived from the business requirements, through conception and planning to execution and smooth commissioning. In this area, he is fully responsible and accountable for achieving the project goals in terms of quality, costs, and schedule.



**Rudolf Zelmer, dipl.ing.(fh),  
Merck KGaA**

Diploma 1996 at FH Frankfurt (Dipl.- Ing. FH), discipline architecture. Since 2007 at MERCK in different roles, i.a. teamlead civil engineering and architecture, project manager.

Since 2018 he is responsible for projects in architecture at MERCK electronics, EYRISE B.V. und design on facade & projects in „DACH- region“ for innovative solutions with eyrise®, particularly with switchable glazing on façade and interior design.



**Cristof Preiss, dipl.ing. (fh),  
Carpus+Partner AG**

- 2005            journeyman's certificate at Chamber of Crafts Cologne,  
                         discipline telecommunication system electronics
- 2009            diploma at FH Aachen, discipline biomedical engineering
- 2009 – 2011    FH Aachen, Campus Jülich, Laboratory Cellbiophysics and Laboratory for Medical and  
                         Molecular Biology, scientific engineer
- 2011 – 2012    Christoffel Labor Experten GmbH, Cologne (a company of Carpus+Partner AG)  
                         engineer laboratory planning
- since 2012     Carpus+Partner AG, Aachen/Cologne, projectmanager laboratory planning

Christof Preiß, born in 1983, is an electronics technician and engineer and has worked as a projectmanager for the department of technology+process of Carpus+Partner AG for over 10 years. He works on planning of research and laboratory buildings with focus on laboratory furniture, equipment and process technologies.



**Frank Brabetz, dipl.ing,  
Carpus+Partner AG**

- 2001            Diploma Gießen University of Applied Sciences, Energy and Heating Technology
- 2001 – 2002    PMS Klimatechnik GmbH, Limburg Project Manager Building Climate Control
- 2002 – 2003    PMS Projektmanagement GmbH, Limburg Project Manager Building Climate Control
- 2004            Atmos GmbH, Limburg Planner TGA
- 2004 – 2005    Manfred Wucher GmbH, Ravensburg, Project Manager Building Climate Control
- 2005 – 2010    Reuter & Rührgartner Planning Company for Building Technology, Rosbach,  
Supply Engineer TGA
- 2010 to present      Carpus+Partner AG, Frankfurt branch, Project Manager Technical Building  
Equipment

Frank Brabetz, born 1975, accompanies the implementation of highly complex university and research projects in the context of technical equipment as a Project Manager and DGNB Auditor.



**Albert Borucki, dipl.ing. architect,  
Carpus+Partner AG**

1992            Diploma at der RWTH Aachen, discipline architecture

1992 – 1997    Prof. Ulrich Coersmeier, Köln/Aachen

since 1997    Carpus+Partner AG, Aachen

Albert Borucki, born in 1962, is an architect and has worked for Carpus + Partner AG as a project manager for a wide variety of major projects for over 20 years.

His work focuses on the planning of research and laboratory buildings for universities, research institutions and industry throughout Germany.

Since 2013 he has also been involved in the implementation of the BIM method at Carpus+Partner AG.