



## OFFICE BUILDING KAROLINEN-KARREE, MUNICH, GERMANY

**PROJECT SUMMARY.** The aspects of sustainability were consistently pursued during the design and execution phase of the building project Karolinen-Karree. An energy concept and facade design was developed for the office space ensuring excellent thermal comfort at low operating energy consumption.

**FOCUS OF CONSULTING SERVICES.** Müller-BBM performed all consulting services regarding building physics of the Karolinen-Karree. In addition, special services concerning building climatology and daylight technology were provided.

This enabled the design team to evaluate the numerous interactions between operation of the building and facade in detail and to develop a consistent, high-quality master plan. Müller-BBM also provided the major facade planning services in collaboration with the architects which enabled them to strictly implement the concepts in the actual facade construction.

The building's outstanding quality was awarded the Silver Certification of the German Sustainable Building Council (DGNB). Müller-BBM also provided the client with technical support in connection with this certification of sustainability.



### CLIENT

Thuringia Generali 2 Immobilien AG & Co. KG

### ARCHITECT

Koch+Partner, Munich / RKW Architekten, Düsseldorf

### PROJECT DATA

Planning and construction period	2005 - 2008
Gross floor area / usable floor space / gross volume	15,600 m <sup>2</sup> / 11,400 m <sup>2</sup> / 57,200 m <sup>3</sup>
Cost of construction	20 million euros

### SERVICES RENDERED

Building acoustics, room acoustics, thermal building physics, building climatology, daylight technology, facade technology  
Overall consulting, design of facade master details, technical support for certification by the German Sustainable Building Council (DGNB)

1 Exterior view Karlstrasse/Barerstrasse  
2 Terrace floor  
3 Office area with glass partition walls  
4 Courtyard