



OPERCARREÉ - HOTEL DE ROME, BERLIN, GERMANY

PROJECT SUMMARY. The building located on Berlin's Bebelplatz was constructed by the architect Ludwig Heim in 1889. Its first owner was the Dresdner Bank, succeeded by the State Bank of the GDR. Thereafter, the now heritage-listed building was converted into a 5-star hotel with new extensions.

FOCUS OF CONSULTING SERVICES. The building users defined very sophisticated criteria with respect to room acoustics and building acoustics for the various rooms and spaces. One challenge was to ensure an excellent sound insulation between the individual hotel rooms while also taking into account the specific characteristics of the existing structure. Furthermore, the ceiling construction between the ballroom and the hotel rooms had to be improved in terms of acoustics.

Today, the hotel ballroom is located in the former counter hall of the Dresdner Bank. Due to heritage requirements, the surfaces that could be used for sound absorption purposes were very limited. By means of simulation calculations, it was possible to take a very differentiated approach for analysing the room acoustic conditions and for developing customized solutions. In the Spa area, now located in the former vaults, very unobtrusive acoustic measures were installed which are hardly visible at all.



CLIENT

Hochtief Projektentwicklung GmbH, Berlin

ARCHITECT

Design: Novotny Mähner Assoziierte, Offenbach a. Main
Execution: AUKETT + HEESE GmbH, Berlin

PROJECT DATA

Planning and construction period	2003 - 2006
Gross floor area	44,000 m ²
Cost of construction	100 million euros

SERVICES RENDERED

Room acoustics, building acoustics, thermal building physics, natural lighting engineering, sound insulation
Overall consultancy during all work phases, measurements

1 View from Bebelplatz
2 Conference room
3 Spa area
4 Ballroom
Pictures: 1, 2, 4 Rocco Forte Hotels; 3 YPMA