



## SCHILLER THEATER, BERLIN, GERMANY

**PROJECT SUMMARY.** During the time of renovation of its main venue Unter den Linden, the Berlin State Opera uses the Schiller Theater for musical performances. The greatest challenge in the acoustical planning was to adjust the original acoustics designed for drama performances to the new usage as an opera house of international renown.

Moreover, a new orchestra rehearsal room, a new rehearsal stage, choir rehearsal room as well as additional rehearsal rooms were integrated into the original building now extended by a new construction. The State Opera's expectations in terms of acoustics were all met to its utmost satisfaction.

**FOCUS OF CONSULTING SERVICES.** The special building acoustics design ensured the possibility of using the areas for preparing and assembling stage scenery, the adjoining rehearsal rooms as well as the stage nearby simultaneously. Daniel Barenboim, the general music director, highly praised the new acoustics for opera performances which was achieved by re-designing the proscenium ceiling, extending the orchestra pit as well as by treating the auditorium walls acoustically.

Furthermore, a great variability of usage was created in terms of acoustics by installing the State Opera Unter den Linden's system for prolonging the reverberation time.



### CLIENT

Senate Department for Urban Development, Berlin

### ARCHITECT

Zerr Hapke Nieländer Architekten, Berlin

### PROJECT DATA

Planning and construction period	2008 - 2010
Gross floor area / gross volume	9,900 m <sup>2</sup> / 126,841 m <sup>3</sup>
Cost of construction	25 million euros

### SERVICES RENDERED

Room acoustics, electroacoustics, building acoustics, on-site measurements, electro-acoustic room enhancement, noise control  
Overall consulting during all work phases, status evaluation, simulations, site supervision, support during initial operation period, final acceptance testing, assistance during inauguration phase

1 Auditorium, view from the stage

2 Auditorium, balcony

3 Foyer, used for concerts

4 Wall and ceiling reflector elements in the orchestra rehearsal room

5 Exterior view

Pictures: Müller-BBM