



## STADTCASINO BASEL, SWITZERLAND

**PROJECT SUMMARY.** After four years of reconstruction, the historical Stadtcasino Basel at Barfüsserplatz was reopened. Its legendary Music Hall, inaugurated in 1876, ranks among the most important concert halls in the world and enjoys a high international reputation. The well-proportioned rectangular hall accommodates an audience of almost 1,400 and a large orchestra. While its historical structure was preserved, many new components were integrated, such as the new floor and seating, a mobile podium as well as a new ventilation and air conditioning system. The facade openings that had been closed with masonry were opened again, and new window constructions with a high acoustic standard were installed. Moreover, a new building with foyer, staircases, checkrooms and restrooms is the perfect addition to the historical building complex.

**FOCUS OF CONSULTING SERVICES.** For precisely meeting all acoustic requirements of the world class Music Hall, extensive measurements of the new floating wooden floor with integrated air supply had to be carried out in MÜLLER-BBM's laboratories. In addition, acoustic analyses for the reconstruction of the historical exterior windows were performed on site. Now, the Music Hall is screened against all traffic noise from the very busy Steinenberg, particularly against that of the streetcars called «Trämli»; the streetcar track renovation was already completed in 2016. During the recent renovation phase, a vertical building joint was installed between the extension building and the historical building to prevent any disturbing vibrations in the Music Hall. At the same time, numerous sound insulation measures were effectively implemented in the historical roof area, in the Music Hall's new basement as well as in the extension building.



### CLIENT

Casino-Gesellschaft Basel, Switzerland

### ARCHITECT

Herzog & de Meuron Architekten, Basel, Switzerland

### PROJECT DATA

Planning and construction period	2013 – 2020
Gross floor area / gross volume	9,000 m <sup>2</sup> / 47,000 m <sup>3</sup>
Cost of construction	approx. CHF 77.5M, thereof approx. CHF 35M donations

### SERVICES RENDERED

Room acoustics, building acoustics, protection against external noise, status evaluation measurements, overall consulting during all work phases, simulations, laboratory and reverberation room measurements, final acceptance testing, support during initial operation period

1 Music Hall | 2 Staircase  
3 External view | 4 Foyer

Pictures: © Stadtcasino Basel | photo: roman weyeneth