



## INTERIM VENUE TONHALLE MAAG, ZURICH, SWITZERLAND

**PROJECT.** On September 27, 2017, at the beginning of the new season and for a period of three years, the Zurich Tonhalle Orchestra moved to the Tonhalle Maag, located on the premises of the former Maag gear factory in Zurich West, where a new concert hall had been integrated in the existing event hall. This new concert hall will serve as a high-class interim venue during the entire reconstruction period of the Tonhalle which is internationally renowned for its excellent acoustics. The conversion and installation works took ten months only and remained within the budget of ten million Swiss francs; six million Swiss francs thereof were spent on the concert hall.

**FOCUS OF CONSULTING SERVICES.** The interim venue is a traditional rectangular hall which was integrated in the existing hall, thus entailing special challenges with respect to the required acoustic measures as well as the layout. For example, numerous right angles in the hall had to be modified by means of diffusely reflecting wall panels. The wall and ceiling claddings consist of spruce, and the flooring is made of oak wood. The delicate ceiling elements are diffusely structured. A total of 70 suspended wooden ceiling panels distribute sound evenly throughout the concert hall. 24 of those panels are suspended above the podium, have a slightly convex shape and can be adjusted flexibly. Moreover, the electroacoustic enhancement system Vivace by MBBM Acoustic Solutions GmbH was installed. This way, the acoustics can be finely tuned to a broad variety of events. 1,224 moveable, velvet-covered seats can be set up in the concert hall: 784 in the stalls area and 440 on the balcony. For minimizing the ventilation noise, there are more than two million reduced openings in the floor, and a highly sound-absorbing partition wall screens the concert hall against the adjoining event area.



### CLIENT

Zurich Tonhallengesellschaft

### ARCHITECT

Spillmann Echsle Architekten, Zurich

### PROJECT DATA

Planning and construction period	2014 - 2016
Inauguration	September 27, 2017
Gross volume	8,200 m <sup>3</sup>
Cost of construction	approx. CHF 10.0 million

### SERVICES RENDERED

Room acoustics, electroacoustics, building acoustics  
Consulting during all work phases, simulations,  
laboratory measurements, test stand measurements

1 View into the auditorium

2 Lateral view to the podium

3 Rows of seats with a view to the lateral wall

4 Wall and ceiling panels

Pictures: 1 + 2 + 4 architectural photographer Hannes Henz , 3 Müller-BBM