

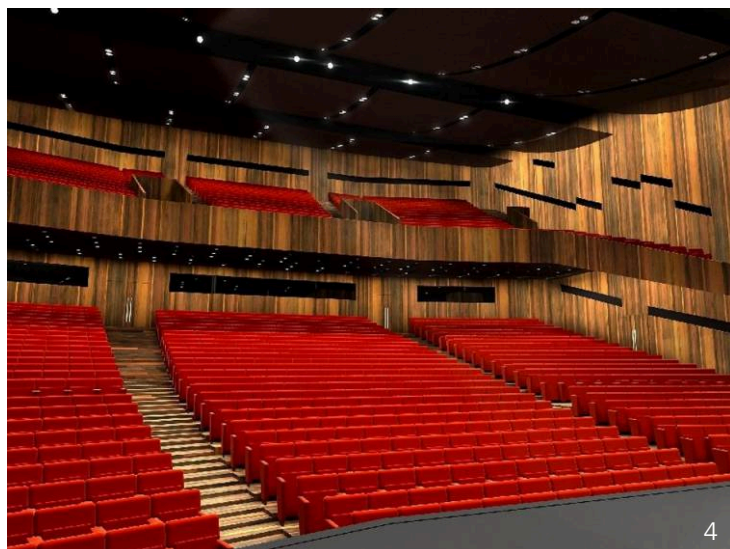
FESTIVAL AND CONGRESS HALL, BREGENZ, AUSTRIA

PROJECT. The Festival and Congress Hall in Bregenz, reinaugurated in July 2006, was lauded in the opening speech as the “third most beautiful congress hall in the world which can also play the lead role with respect to music”. During a construction period of 10 months only, the building first erected in 1980 was completely renovated.

ACOUSTICS. In cooperation with the Dietrich | Untertrifaller team of architects from Bregenz, Müller-BBM designed an acoustically transparent enclosure in the form of a metal mesh ceiling, realized as a stainless steel wire mesh. Consequently, it was possible to achieve the maximum volume with the hall’s given basic dimensions, leading to an increase in the reverberation time of approx. 0.5 s as compared to the previous situation.

For concert performances, an orchestra shell variable as to size and shape can be erected on the podium. Since the shell consists of separate elements, it may perfectly be adjusted to large as well as small orchestras.

Above the orchestra pit, Müller-BBM designed reflectors ensuring an optimum direction of sound to the auditorium. Located behind the acoustically transparent metal mesh ceiling, these reflectors remain invisible to the audience.



CLIENT

Provincial capital Bregenz

ARCHITECT

Dietrich | Untertrifaller Architekten ZT GmbH, Bregenz, Austria

PROJECT DATA

Start of construction	August 2005
Opening	July 2006
Architectural volume	96,000 m ³
Cost of construction	40 million euros

SERVICES RENDERED

Room acoustics, building acoustics
Overall consulting, status evaluation measurements
Final acceptance testing, test stand measurements for building acoustics suitability

- 1 Auditorium
- 2 Stage
- 3 Exterior view
- 4 Auditorium
- 5 Foyer

Pictures: 1-3, 5 Bruno Klomfar; 4 Müller-BBM