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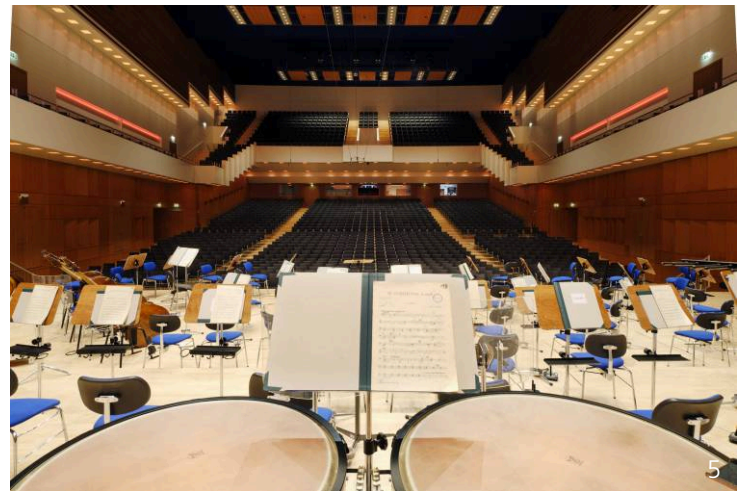
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MERCATOR HALL IN THE CITYPALAIS, DUISBURG, GERMANY

PROJECT SUMMARY. The new Duisburg Mercator Hall is a multi-purpose center for all kinds of events, concerts and conferences. It forms part of the CityPalais that also houses a shopping center, the Duisburg casino as well as offices. The Mercator Hall comprises a large hall seating up to 1,750, a small hall seating 600 and a congress area with conference rooms of different sizes and separate foyer areas each.

FOCUS OF CONSULTING SERVICES. With its excellent concert hall acoustics, the large hall is the home of the Duisburg Philharmonic Orchestra. Thanks to numerous variable room acoustics features like the large acoustic banners concealed behind the panels on the lateral walls and its sophisticated podium technology, the hall may also be used for high-class show events and conferences. In terms of acoustics, the small hall is primarily designed for a congress usage. In order to achieve a minimum background noise level in the halls, the issue of numerous and complicated sources of disturbing noise, e.g. the shopping center on the ground floor or the subway located in close proximity, had to be solved.

The halls and the congress area are equipped with state-of-the art audio-visual media technology. By precisely adjusting the sound reinforcement systems to the respectively required room acoustics, they provide a perfect intelligibility and clear sound of music, even during performances of classical music.



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CLIENT

City of Duisburg

ARCHITECT

Busmann + Haberer
Gesellschaft von Architekten mbH, Cologne

PROJECT DATA

Completed	2007
Gross floor area	18,000 m ²
Cost of construction	35 million euros (interior fittings)

SERVICES RENDERED

Room acoustics, audio-visual media technology, building acoustics, vibration control
Design, consulting, acoustical measurements and simulations



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1 Control room
2 View to the balcony
3 Control room windows and balcony
4 View to the stage
5 View from the stage
Pictures: Müller-BBM