



WUHAN QINTAI CONCERT HALL, WUHAN, P.R.CHINA

PROJECT. In Wuhan, the Hubei province's capital with 8 million inhabitants, a new concert hall was opened with great success in September 2009 after three years of construction.

The building with its modern shape and foyer houses a symphonic hall for an audience of 1,600. Its architectural design was inspired by traditional concert halls while achieving the same acoustical quality. The hall's acoustics is also excellent for the sound of the grand concert organ with 67 stops, built by Klais Orgelbau in Bonn, Germany.

In addition to the symphonic hall, the building also houses a chamber music hall for an audience of 420, a large orchestra rehearsal hall and additional rehearsal rooms for the Wuhan State Orchestra.

ACOUSTICS. In this building project, Müller-BBM was responsible for planning the room acoustics as well as building acoustics, and in this way also contributed to the hall's design. Not only did Müller-BBM perform acoustical calculations and simulations, sightline studies as well as consulting services concerning stage design and stage acoustics, but also did they execute acoustical measurements in 1:10 scale models. During the construction phase, regular inspections took place with the construction quality of all acoustically relevant components being examined and thus ensured.



CLIENT

Wuhan Real Estate Group Co., Ltd.

ARCHITECT

Guangzhou Pearl River Foreign Investment
Architectural Designing Institute
Interior design: Shenzhen Hongtao Decoration Co., Ltd.

PROJECT DATA

Planning and construction period	2006 - 2009
Building volume	260,000 m ³
Cost of construction	72 million euros

SERVICES RENDERED

Room acoustics, building acoustics, electroacoustics
Planning, simulations, scale model measurements, site supervision,
final acceptance tests

1 Exterior view of the concert hall with the opera house in the background
2 Symphonic hall
3 Symphonic hall, 1:10 scale model
4 Chamber music hall
5 Symphonic hall, stage and concert organ
Pictures: 1 Winfried Luo, 2-5 Müller-BBM