

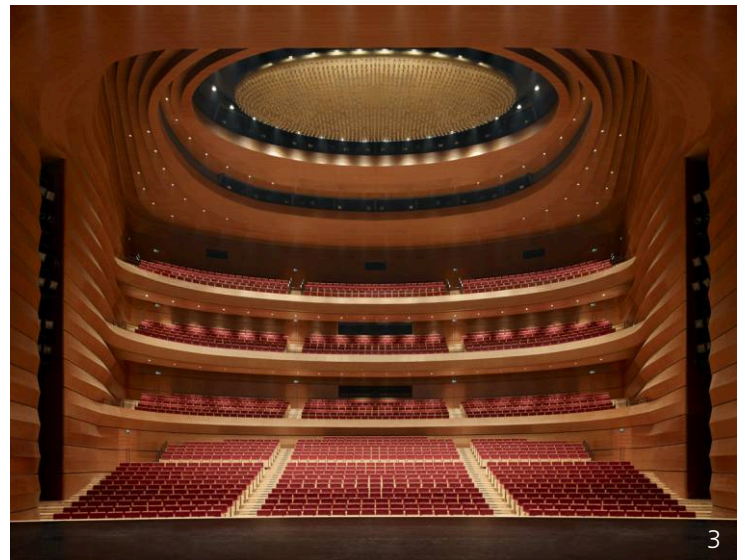


## GUANGXI CULTURE & ART CENTER, NANNING, CHINA

**PROJECT SUMMARY.** Nanning City, the capital of the Guangxi Autonomous Region, has built a new state-of-the-art culture and art center. The building complex comprises an opera hall with 1,800 seats, a concert hall with 1,200 seats as well as a multipurpose auditorium with 600 seats. Furthermore, the building complex houses all facilities necessary for a broad range of artistic performances at the highest level, e.g. rehearsal rooms, dressing rooms and workshops.

**FOCUS OF CONSULTING SERVICES.** The opera hall is a modern interpretation of the traditional horseshoe shape which ensures both perfect sightlines and a good direct sound distribution. Moreover, the most advanced stage technology was installed. In contrast, the new concert hall has a traditional shoebox design; during the past decades, this shape has proven to be acoustically ideal in concert hall construction. With a reverberation time of more than two seconds, the concert hall captivates both musicians and the audience with its excellent acoustics. A moderate reverberation time increase towards the low frequency range confers the hall its characteristically warm sound.

The multipurpose auditorium with its retractable seating and variable acoustics is suitable for a great variety of events, particularly thanks to the VIVACE electronic room acoustics system which can be perfectly adjusted to all room configurations. In close collaboration with the client, MÜLLER-BBM planned the entire media technology equipment, all sound systems, the complete audio, video, recording and TV broadcasting technology as well as the digital network in top quality which was further ensured by MÜLLER-BBM's intense site supervision as well as on-site support during the initial operation period.



### CLIENT

Weining Ltd., Nanning, China

### ARCHITECT

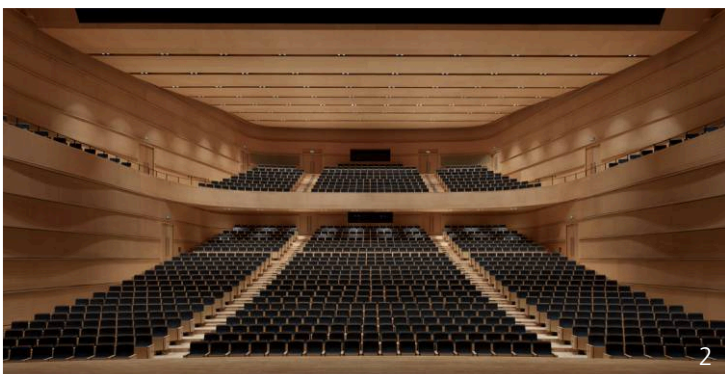
gmp Architekten von Gerkan, Marg und Partner, Hamburg

### PROJECT DATA

Inauguration in	2018
Gross floor area	113,764 m <sup>2</sup>
Seating capacity	opera hall 1,800 / concert hall 1,200 / multipurpose hall 600

### SERVICES RENDERED

Room acoustics, electroacoustics, media technology, building acoustics, electronic room acoustics, protection against external noise  
 Planning, overall consulting during all work phases, consultancy for the architectural design competition, laboratory and reverberation room measurements, final acceptance testing



1 Exterior view  
 2 Concert hall  
 3 Opera hall  
 Pictures: © Christian Gahl, Berlin