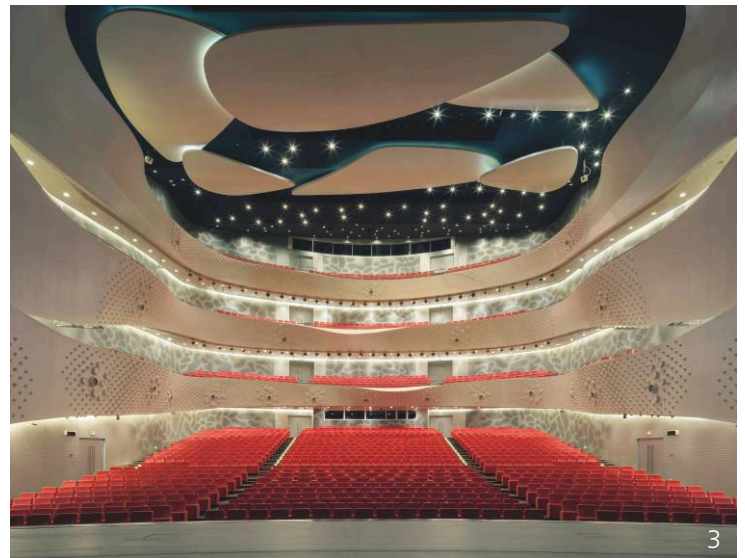




## DALIAN INTERNATIONAL CONFERENCE CENTER, P.R. CHINA

**PROJECT.** In China's fast growing port city of Dalian, Coop Himmelb(l)au designed a new city landmark – the monumental Dalian International Conference Center. Under its futuristic shell, it houses an opera and event hall seating 1,600 for opera and musical performances, conventions as well as concerts. In addition, there is a number of other conference and event halls. Circulation areas serve for access purposes and include e.g. exhibition areas, bars and informal meeting points.

**ACOUSTICS.** Architecturally as well as acoustically, the opera hall is the core of the building. The hall's design with three balconies connecting the lateral walls and rear wall is inspired by the traditional horse-shoe shape – however, it has been interpreted in an entirely new way. The curved balustrades merge into the proscenium walls and ceiling. Furthermore, all surfaces including the suspended reflector elements were designed acoustically as well as architecturally by means of a computer model. The aluminium wall panels with their varying perforation pattern form the characteristic design and are acoustically transparent, while by means of the height-adjustable acoustic banners behind the wall cladding, perfect acoustics can be ensured for each respective type of event. But the hall even features another acoustic finesse: the Vivace® system – originally only designed for theater performances – has been complemented by an electronic room enhancement module. Now, at the push of a button the hall can acoustically be turned into a symphony concert hall.



### CLIENT

Dalian Municipal People's Government, Dalian

### ARCHITECT

Coop Himmelb(l)au, Vienna  
DADRI, Dalian

### PROJECT DATA

Planning and construction period 2008 - 2012  
GFA / gross volume 110,000 m<sup>2</sup> / 1,470,000 m<sup>3</sup>

### SERVICES RENDERED

Room acoustics, building acoustics, electronic room enhancement system  
Planning, simulation, site supervision, final acceptance testings

1 Exterior view  
2 Foyer and exhibition area  
3 Opera hall  
Pictures: Duccio Malagamba