



## LAC - LUGANO ARTE E CULTURA, LUGANO, SWITZERLAND

**PROJECT SUMMARY.** Located directly on the lake, Lugano's new cultural center LAC Lugano Arte e Cultura both houses the Museo d'Arte della Svizzera italiana and a first-rate theater and concert hall which can be used for a great variety of events. Moreover, the LAC also includes various small halls and thus offers artists sufficient space to experiment.

**FOCUS OF CONSULTING SERVICES.** In close collaboration, architect Gianola and the acoustics consultants of Müller-BBM succeeded in combining architectural elements and technical measures to perfection. The result: excellent acoustics.

The modern hall seating up to 1,000 can be converted from a concert hall for large symphonic orchestras into a theater hall for drama, opera and ballet performances – the orchestra pit then accommodates up to 75 musicians – with perfect acoustics for the respective type of event. For classical music concerts, an orchestra shell is mounted on stage, extending the auditorium and increasing the acoustically effective volume to a maximum of 10,000 m<sup>3</sup>. During drama performances, the reverberation time is adjusted as needed by means of variable and acoustically effective curtains.

The acoustical design also included all measures necessary to protect the auditorium against external noise and to ensure an unrestricted simultaneous use of all LAC rooms.



### CLIENT

Città di Lugano, Dicastero del Territorio

### ARCHITECT

Ivano Gianola, Mendrisio

### PROJECT DATA

Completed in	2015
Gross floor area / gross volume	9.125 m <sup>2</sup> / 185.000 m <sup>3</sup>
Cost of construction	approx. 210 million CHF

### SERVICES RENDERED

Room acoustics, building acoustics, sound insulation, protection against external noise, simulations, reverberation room measurements, site supervision, support during initial operation period, final acceptance testing, assistance during inauguration phase

1 External view of the LAC Lugano Arte e Cultura  
 2 View to the stage during drama performance  
 3 View to the stage with orchestra shell installed  
 Pictures: © LAC 2015 - Studio Pagi