

Acoustic Consultant:	Nagata Acoustics (room acoustics) Lamoureux Acoustics (sound isolation & noise control)
Architect:	Shigeru Ban Architects Europe Jean de Gastines Architectes
Institutional Client:	Conseil Départemental des Hauts-de-Seine
Resident Ensembles:	Insula Orchestra Maîtrise des Hauts-de-Seine
Construction Cost:	170 million EUR (under PFI)

La Seine Musicale is a large music and performing arts complex located on Ile Seguin island in the city of Boulogne-Billancourt, just West of Paris, France.

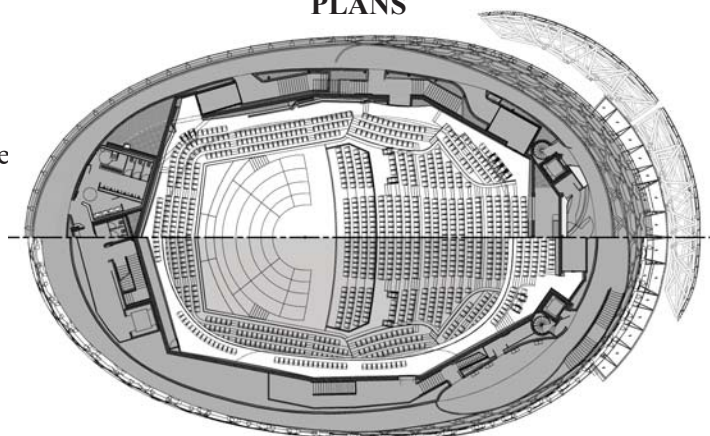
The project was initiated in 2011 by the Conseil Départemental des Hauts-de-Seine, the local administrative division, and developed through a Private Financing Initiative (PFI). Design was led by Shigeru Ban Architects Europe and Jean de Gastines Architects. Inaugurated in April 2017, the facility comprises two large performance spaces, practice and teaching rooms for Maîtrise des Hauts-de-Seine, rehearsal rooms and offices for the resident ensemble Insula Orchestra and a collection of music rooms of various sizes available for rental.

The Auditorium, with a capacity of 1,150 people, is designed primarily for performances in natural acoustics. It features a large stage suitable for full-size orchestra, as well as an orchestra pit. Audience is laid out all around the platform on terraced seating and a single balcony, balancing a mainly frontal arrangement with great physical proximity. Design was developed with the help of computer simulations and a 1:20 scale physical model. A spectacular structure comprising thousands of paper tube sections is suspended from the main ceiling and provides sound diffusion while maintaining acoustical transparency.

BUILDING DETAILS AND ACOUSTICAL DATA

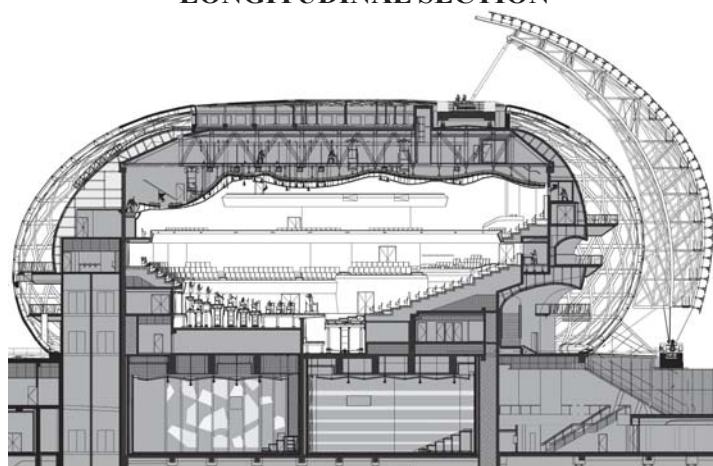
Location	La Seine Musicale Ile Seguin 92100 Boulogne-Billancourt, France
Seating Capacity:	1,152
Room Volume:	13,800 m ³
Reverberation Time (500Hz Octave Band):	
Unoccupied:	1.8 seconds (1.5 sec w/ curtains)
Occupied:	1.9 seconds (1.4sec w/ curtains)
Finish Materials:	
Main Ceiling:	Plaster
Suspended Ceiling:	MDF frames, lacquered paper tubes
Walls:	GF boards, MDF and beech wood
Audience Floor:	Oak on concrete
Stage Floor:	Alaskan Yellow Cedar

PLANS



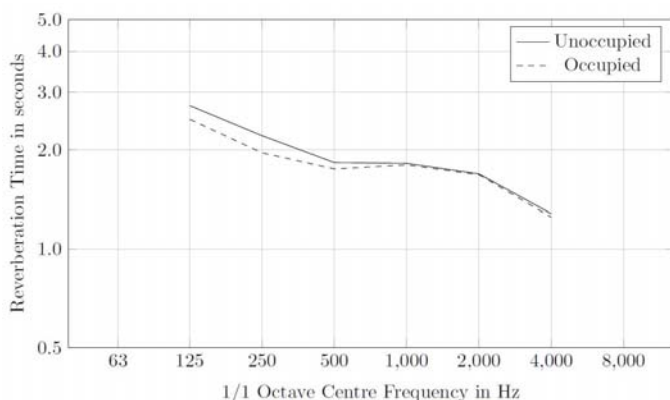
0 5 10 15 20 METERS

LONGITUDINAL SECTION



0 5 10 15 20 METERS

REVERBERATION TIME

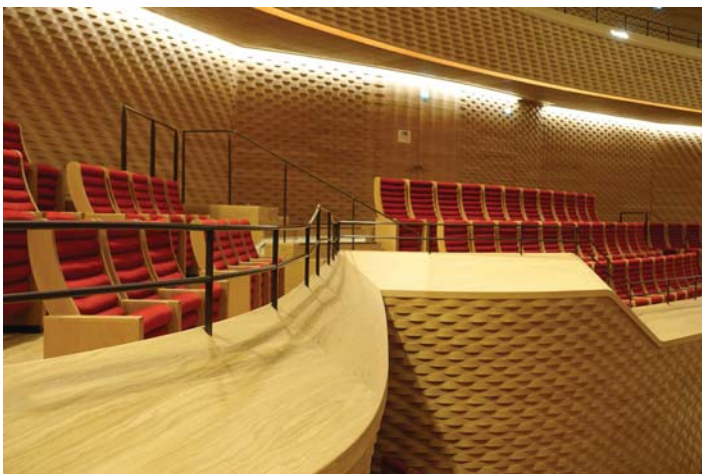
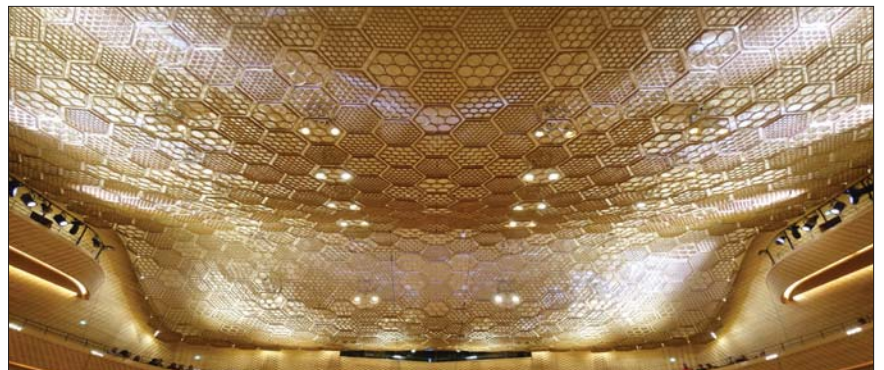
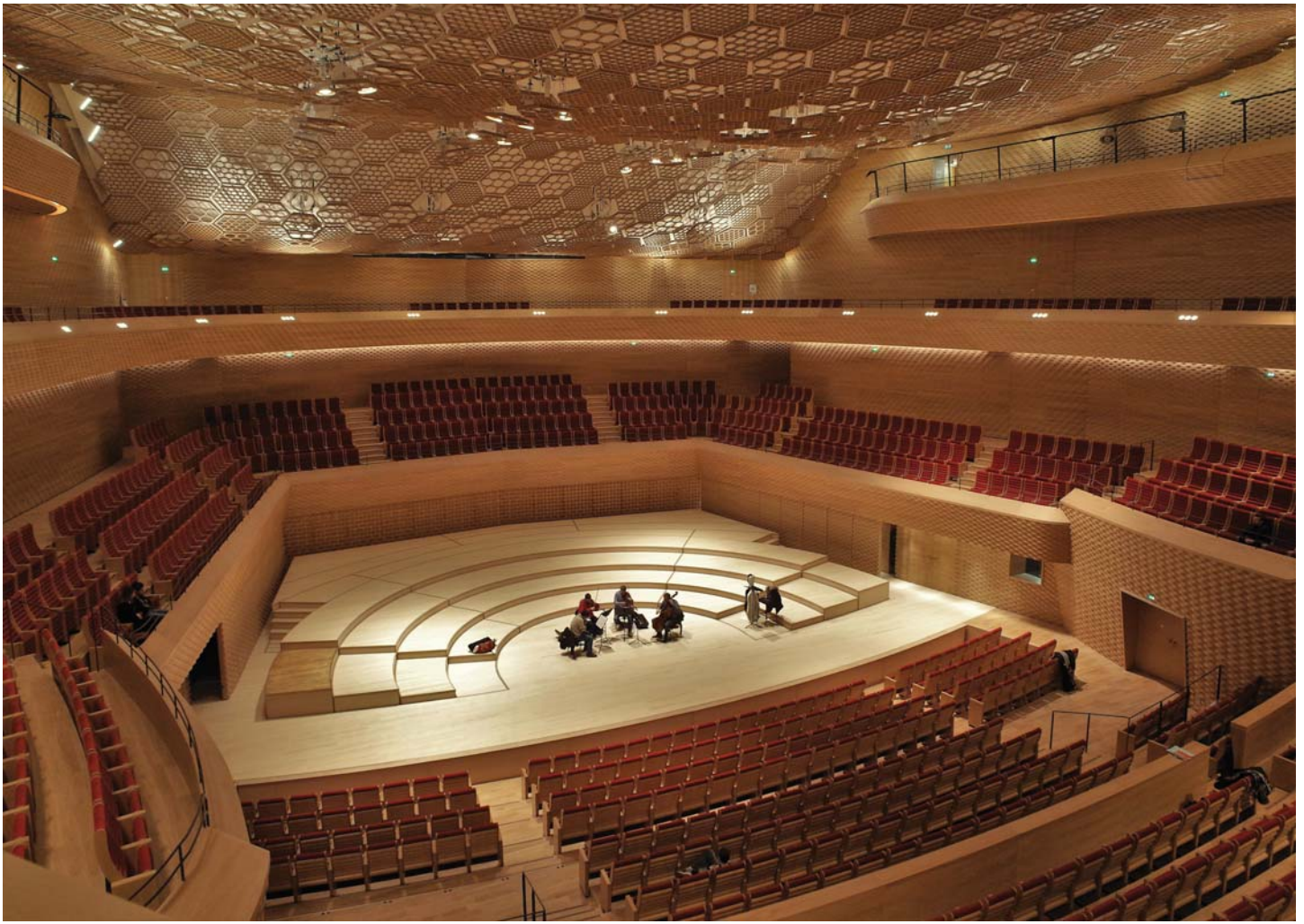


AUDITORIUM, LA SEINE MUSICALE

BOULOGNE-BILLANCOURT, FRANCE

2017

NAGATA
ACOUSTICS



Clockwise from Top

- View from Balcony
- Suspended Ceiling
- Building exterior
- Wall irregularities and chairs
- View from Choir

