

AUDITORIUM, MAISON DE LA RADIO

PARIS, FRANCE
2014

NAGATA
ACOUSTICS

Acoustic Consultant:	Nagata Acoustics (<i>room acoustics</i>) Lamoureux Acoustics (<i>sound isolation & noise control</i>)
Architect:	AS.Architecture-Studio
Owner:	Radio France
Users:	Orchestre National de France Orchestre Philharmonique de Radio France Choeur de Radio France Maîtrise de Radio France
Construction Cost:	35 million EUR (auditorium only)

Auditorium de la Maison de la Radio is an entirely new concert hall dedicated to the performance of classical music, built as part of the overall refurbishment of the Paris-headquarter of French national radio broadcasting organization Radio France, opened in 1963. It was designed to serve as the residence of the 4 musical ensembles of the organization, including the two full-sized orchestras Orchestre National de France and Orchestre Philharmonique de Radio France.

A competition held in 2005 awarded the design of the refurbishment and new Auditorium to Paris-based firm AS.Architecture-Studio. Within the constraints of a tight site in the middle of an existing building, the room shape of the Auditorium developed based on a central stage surrounded by audience on all sides and with 2 levels of balconies, thus creating an exceptional proximity between the audience and the musicians, and a deep sense of intimacy.

In addition to computer simulation studies conducted during design phases to develop the room shape in details, a 1:10 physical scale model was built for acoustical studies.

BUILDING DETAILS AND ACOUSTIC DATA

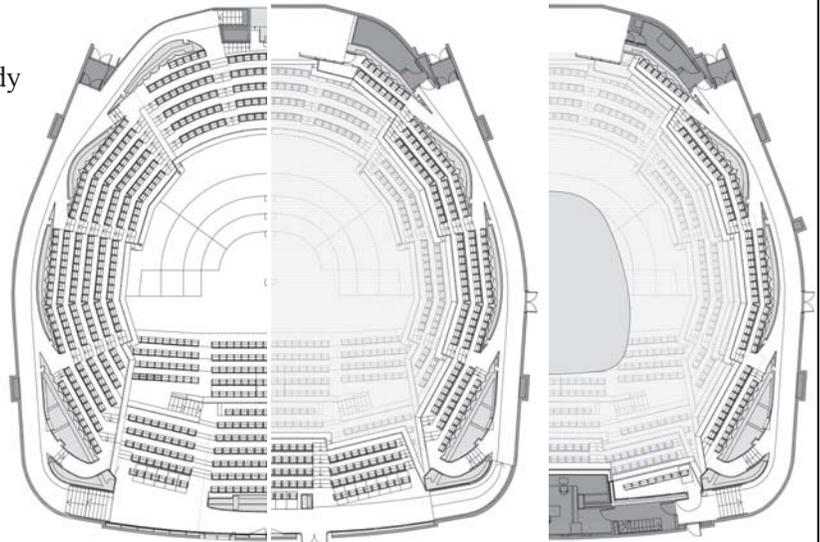
Location Maison de la Radio
116 avenue du président Kennedy
75016 Paris, France

Seating Capacity : 1461
Room Volume : 14,500 m³
Reverberation Time (500Hz Octave Band)
Unoccupied : 2.0 sec
Occupied : 1.8 sec

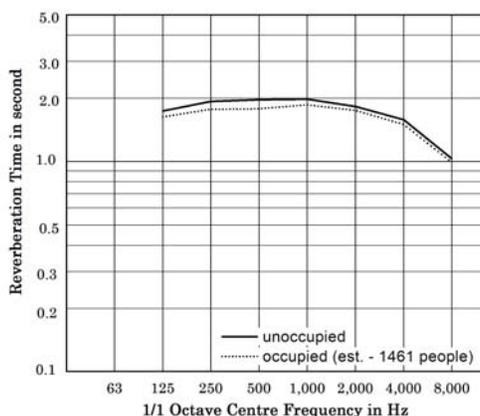
Finish Materials
Ceiling & Canopy : Steel sheets and MDF
Walls : GF boards and MDF
Aud. Floor : Wood flooring on concrete
Stage Floor : Port Orford Cedar

Pipe Organ : Gerhard Grenzing Orgelbau

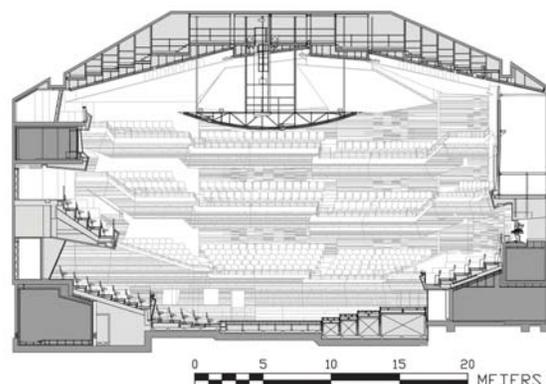
PLANS
STAGE & MAIN FLOOR 1ST BALCONY 2ND BALCONY & CANOPY



REVERBERATION TIME



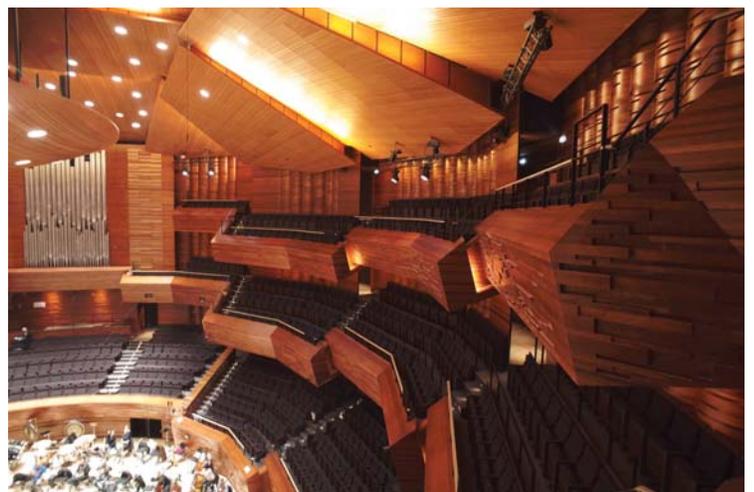
LONGITUDINAL SECTION



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Clockwise from top:

- Main Audience View to Stage
- Balconies
- Microshaping on balcony fronts
- Polycylinder rear walls