

MARIINSKY CONCERT HALL

SAINT PETERSBURG, RUSSIA
2006

**NAGATA
ACOUSTICS**

Acoustic Consultant:	Nagata Acoustics
Architect:	Fabre/Speller/Pumain (Paris, France)
Owner:	Mariinsky Theater
User:	Mariinsky Theater
Construction Cost:	\$ 40 Million (U.S.)

Following a tragic fire in the Mariinsky Theater's historic set and wardrobe warehouse, a unique opportunity was seen to expand further the facilities of the Mariinsky. The addition of a non-proscenium concert hall allows the organization to have a space solely for orchestral performances. The Mariinsky (also known internationally by its communist-era name "Kirov") is composed of an opera company, a ballet company, and several supporting orchestras, and its major facilities include the historic Mariinsky Theater, the new "Mariinsky 2" opera house and this concert hall.

This 1100-seat concert hall was designed and built on an extremely short schedule: planning began in August 2004 and the gala opening took place slightly more than two years later in November 2006. This was made possible by the private rather than public nature of the funding – the absence of government funding in this project allowed for quick decision making. The hall uses the historic façade of the warehouse, and the long and narrow site resulted in a shoebox-style hall with a steep audience rake, with seating areas to the side and rear of the stage, reminiscent of an arena-style hall.

BUILDING DETAILS AND ACOUSTICS DATA

Address 37 Dekabristov Street
St. Petersburg, Russia

Seating Capacity 1,100
Room Volume 12,000 CM
Reverberation Time (500Hz Octave Band)

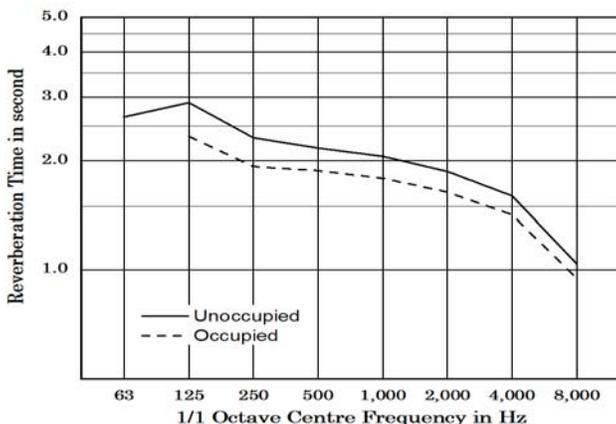
Unoccupied 2.2 sec
Occupied (Calculated) 1.9 sec

Finish Materials

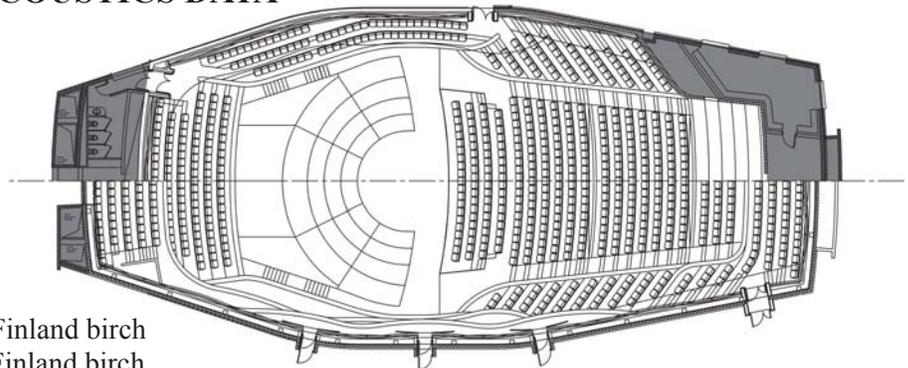
Ceiling : Microshaped Finland birch
Balcony and Stage walls : Microshaped Finland birch
Wall : Waved Finland birch
Floor : Wood
Stage floor : Alaskan Yellow Cedar 42 mm
supported with wooden joists and sleepers
Seat : Upholstered

Pipe Organ: Daniel Kern (France)

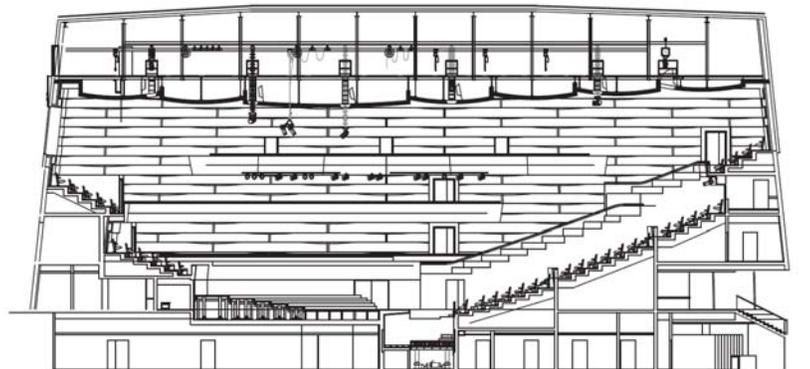
HVAC Noise Level: < NC-15



REVERBERATION TIME



PLAN



LONGITUDINAL SECTION

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CURVED MICROSHAPED CEILING



WALL MICROSHAPING

