

MARIINSKY CONCERT HALL

SAINT PETERSBURG, RUSSIA
2006

**NAGATA
ACOUSTICS**

Acoustic Consultant:	Nagata Acoustics
Architect:	Fabre/Speller/Pumain (Paris, France)
Owner:	Mariinsky Theatre
User:	Mariinsky Theatre
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.

Maestro Valery Gergiev, the General and Artistic Director of the Mariinsky Theatre, has praised the acoustics of the hall, saying "it is as if listening while inside of a Stradivarius."

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

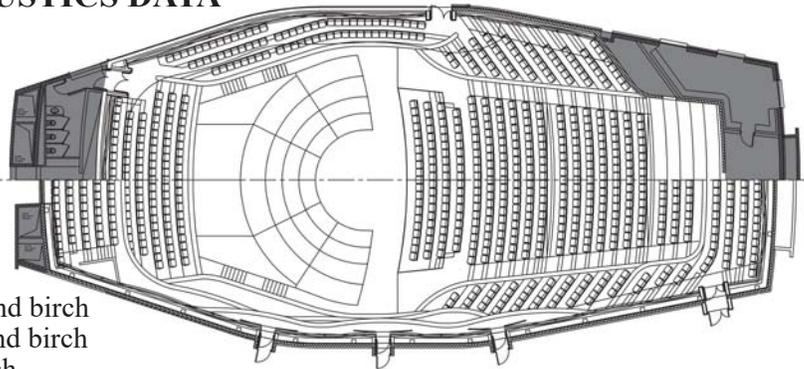
Floor : Wood

Stage floor : Alaskan Yellow Cedar 42 mm
supported with wooden joists and sleepers

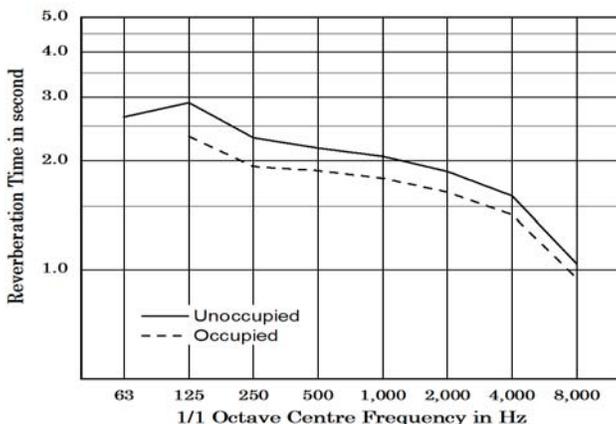
Seat : Upholstered

Pipe Organ: Daniel Kern (France)

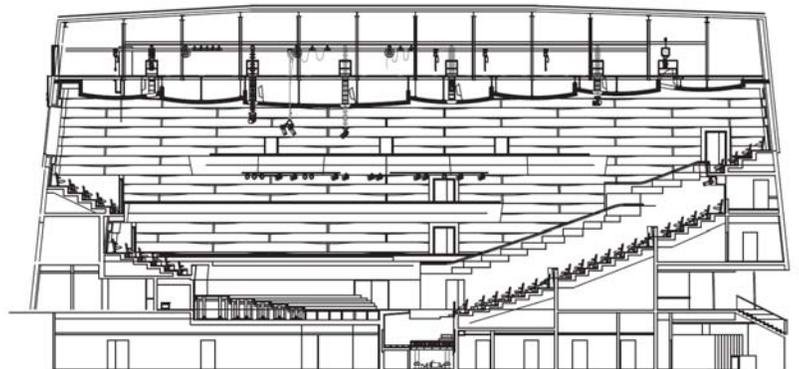
HVAC Noise Level: < NC-15



PLAN



REVERBERATION TIME



LONGITUDINAL SECTION

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CURVED MICROSHAPED CEILING



WALL MICROSHAPING

