

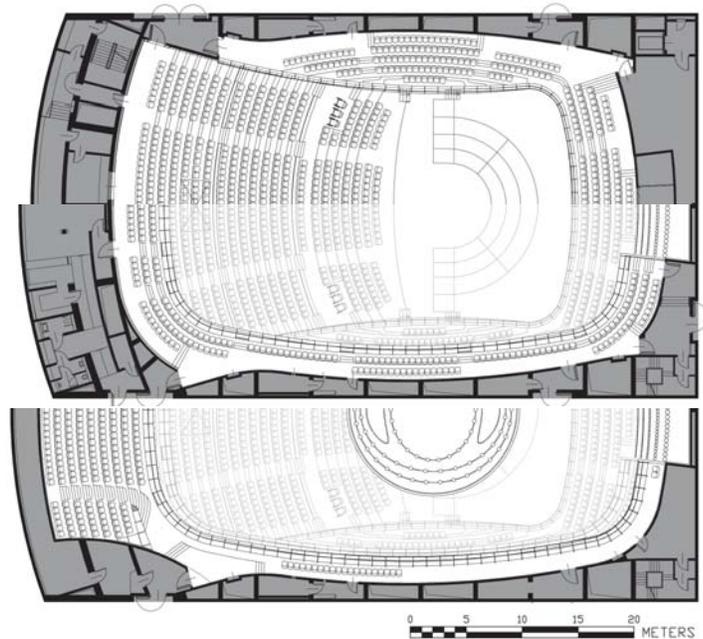
Acoustic Consultant:	Nagata Acoustics (<i>room acoustics</i>) Pracownia Akustyczna (<i>sound isolation and noise control</i>)
Architect:	KONIOR STUDIO Tomasz Konior
Owner:	Narodowa Orkiestra Symfoniczna Polskiego Radia w Katowicach (National Polish Radio Symphony Orchestra)
User:	NOSPR (National Polish Radio Symphony Orchestra)
Construction Cost:	270 million PLN

NOSPR Concert Hall is a 1800-seat symphonic concert hall in Katowice and part of the newly built headquarter of the National Polish Radio Symphony Orchestra (NOSPR). The orchestra, originally founded in 1935 in Warsaw, is one of the 2 national Polish orchestras and has been based in Katowice since 1945. The new building also houses a smaller chamber hall and the administrative offices of the organization.

In late 2008, the local architectural firm KONIOR STUDIO Tomasz Konior won the competition for project architect. On the recommendation of internationally renowned pianist Krystian Zimerman, who was born in the region and served as an advisor to the project, Nagata Acoustics was awarded the role of acoustical consultant for the room acoustics of the main concert hall.

The design of the concert hall used the traditional shoe-box configuration inherited from the competition proposal as a starting point, and adapted it by increasing the width of the hall beyond a typical shoebox shape and adding audience seating around all sides of the stage in order to reduce the distance between the audience and the stage, thus increasing the sense of intimacy from visual and acoustical perspectives.

PLANS



BUILDING DETAILS AND ACOUSTIC DATA

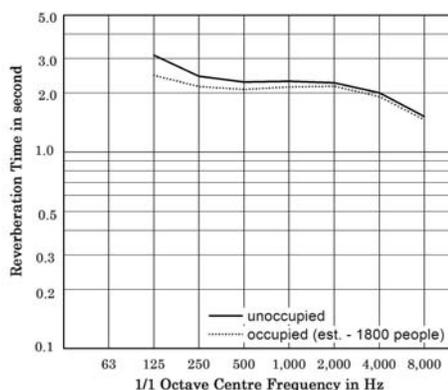
Location plac Wojciecha Kilara 1 1
 Katowice, Poland

Seating Capacity : 1800
Room Volume : 22,000 m³
Reverberation Time (500Hz Octave Band)
 Unoccupied : 2.3 sec (1.8sec w/ curtains)
 Occupied : 2.1 sec (1.7sec w/ curtains)

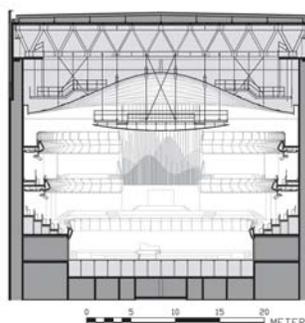
Finish Materials

Ceiling : Concrete over plywood
Canopy : Birch Plywood
Main Walls : Painted concrete
Balcony fronts : Birch Plywood
Aud. Floor : Wood flooring on concrete
Stage Floor : Alaskan Yellow Cedar

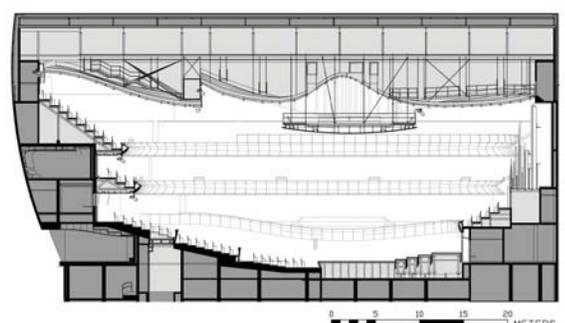
REVERBERATION TIME



CROSS SECTION



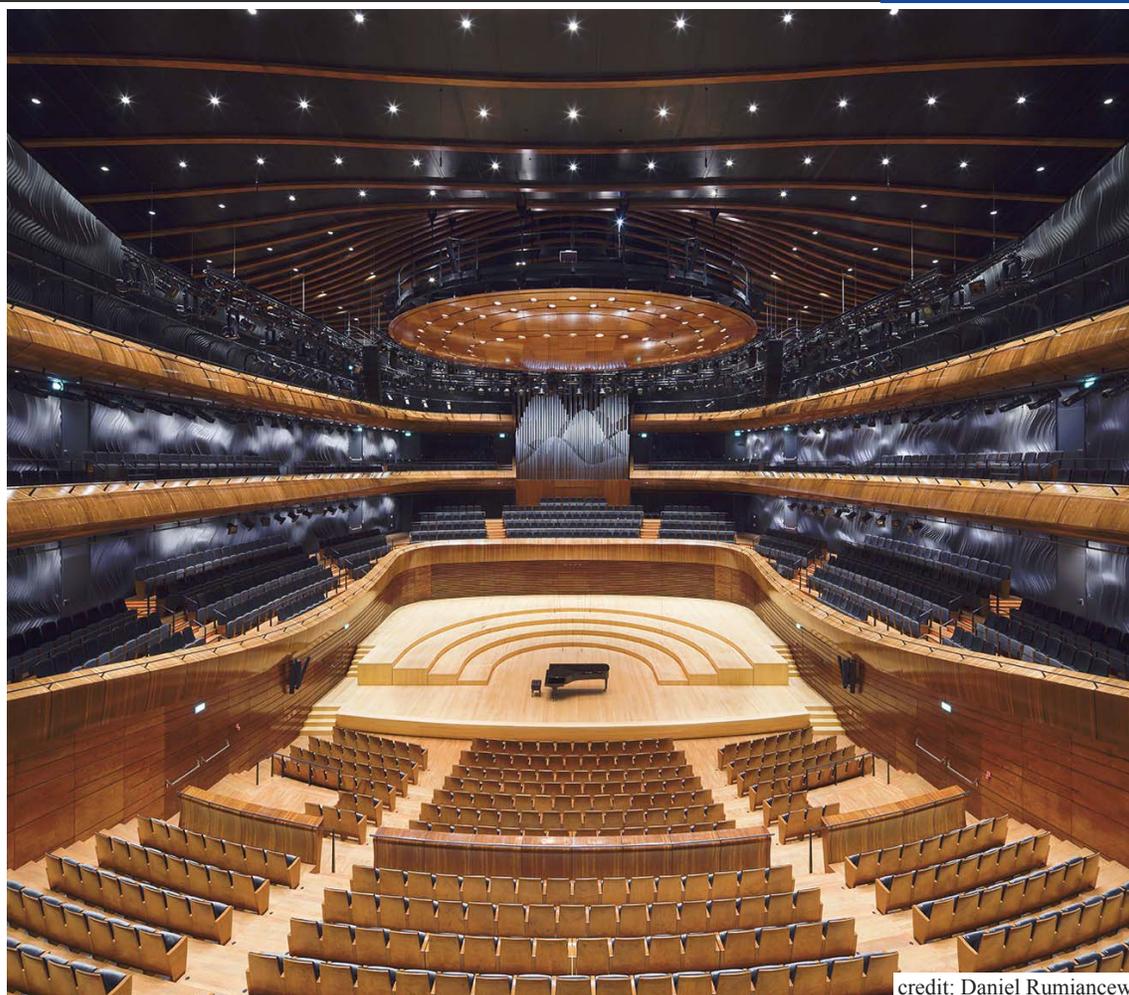
LONGITUDINAL SECTION



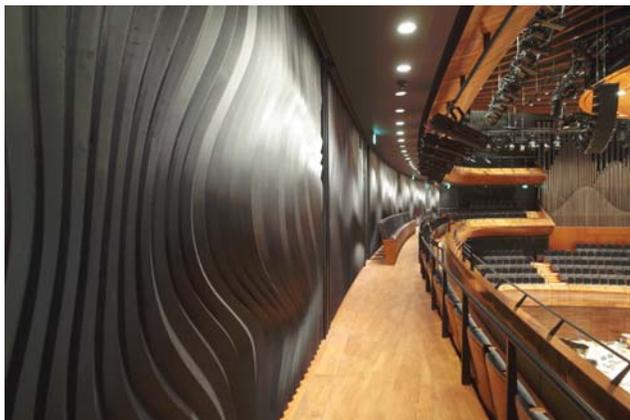
NOSPR KATOWICE CONCERT HALL

KATOWICE, POLAND
2014

NAGATA
ACOUSTICS



credit: Daniel Rumiancew



- Clockwise from top:
- 1st balcony View to Stage
 - View from choir
 - Exterior facade
 - Walls and balcony fronts
 - Concrete walls