



TRIMO

CASE STUDY
GASTEIG HP8
ISARPHILHARMONIE
CONCERT HALL

BUILDING TYPE **EDUCATION / CULTURE /**
PUBLIC / CONCERT HALL

INVESTOR **ASSOCIATED COMPANY OF THE CITY**
OF MUNICH EDITORIAL OFFICE

ARCHITECT **gmp ARCHITECTS (VON GERKAN,**
MARG AND PARTNERS)

PRODUCT **QBISS ONE**

COLOUR **ORION SPARKLE**

MINERAL WOOL INSULATION **ROCKWOOL**

YEAR OF COMPLETION **2021**

LOCATION **MUNICH, GERMANY**

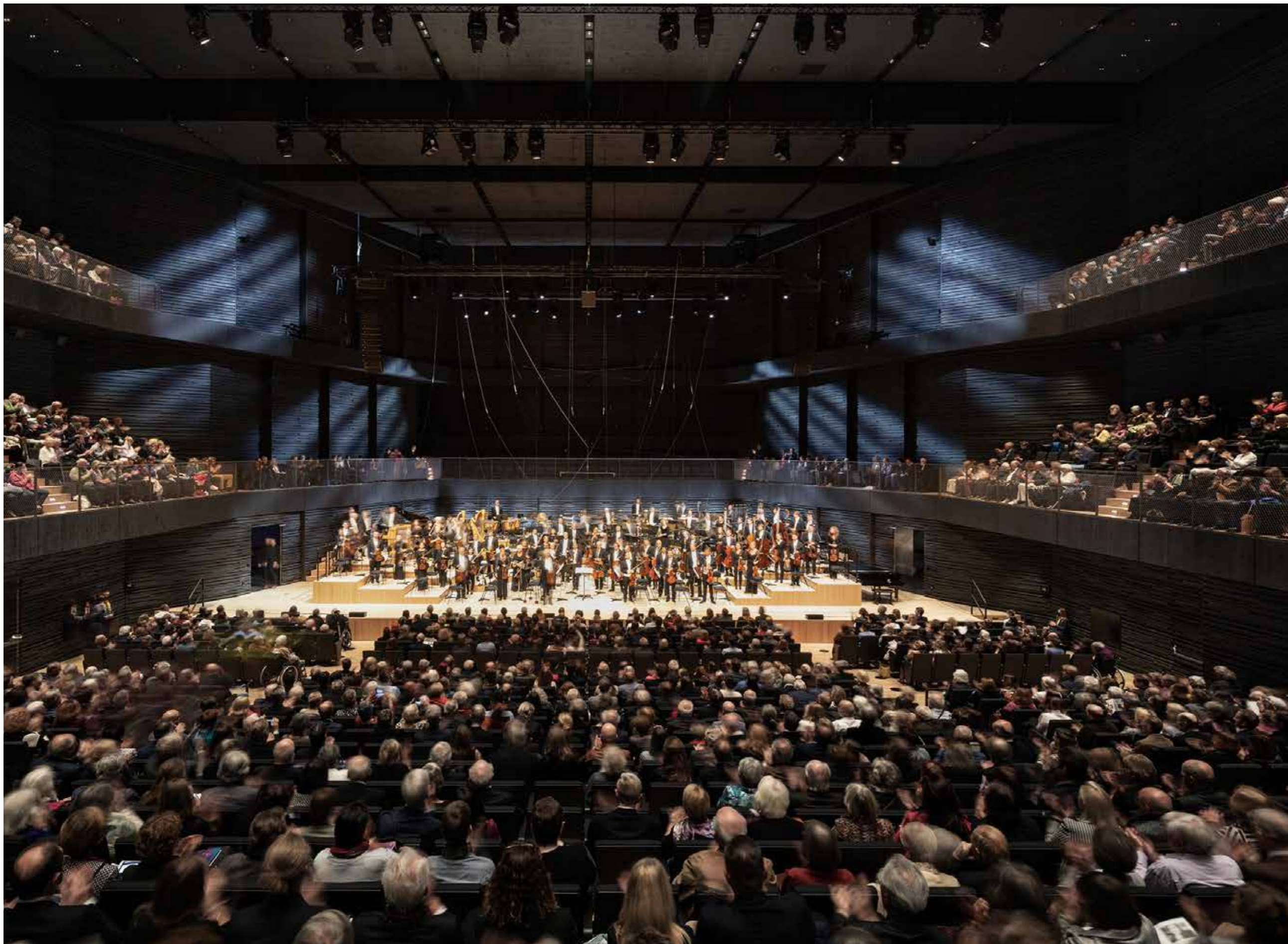
ABOUT THE PROJECT

Situated in Sendling, a multicultural borough of Munich in Germany, the Isarphilharmonie is the new temporary replacement concert hall and home for the Munich Philharmonic Orchestra whilst its original base, the Gasteig complex, is undergoing renovation. The Isarphilharmonie is destined to become the focus of Europe's largest cultural centre – Gasteig HP8 – named after the location Hans-Preißinger-Straße 8 - a new, vibrant cultural quarter.

HARMONIOUS CONSTRUCTION

Opened in October 2021, the Isarphilharmonie is created to both delight and engage the visual senses of visitors with its von Gerkan, Marg and Partners architects-designed construction presenting a subtle but harmonious dark grey coloured clad building with a nod to the industrial style. Internally, dark glazed, solid cross-laminated timber panels with attached spruce wood slats surround the hall with the ceiling made also of the same material and the floor a light parquet. Together the material choices contribute to the concert hall's outstanding acoustics created by Nagata Acoustics, headed by Yasuhisa Toyota, which can boast projects such as the Philharmonie de Paris and the Walt Disney Concert Hall in Los Angeles in its portfolio. Specifically, Nagata Acoustics required that no seat be more than 33m from the stage, themselves bespoke to the building such that their sound attenuation when closed corresponds exactly to that of a concertgoer. The 30 cm thick cross-laminated timber elements of the hall walls were also slightly scaled so that the sound reflections are better distributed throughout the room.





MATERIAL CHOICE OF THE MAESTROS

Requiring to be built quickly, just 18 months, and to a fixed budget of 40 million euros, Qbiss One was the material of choice – its fully prefabricated façade solution enabling quick, efficient, and precise installation, with reduced costs and minimal quality risk. Mindful of the building's long-term use Qbiss One, being up to 99% recyclable, and made from up to 56% of recycled materials, also ensures its sustainable future. Qbiss One also contributed to the outstanding acoustics (Airborne sound insulation: $R_w(C:Ctr) 30 (-1;-3)$ (dB)) of the concert hall, its stone wool core both insulating from unwanted noise whilst its absorbing properties improving the internal sound field quality by absorbing echo and reverberation within the room and contributing to good room acoustics.

BEAUTY THROUGH SIMPLICITY

Qbiss One, with its architecturally led features of optical flatness, rounded corners, and in particular its shadow/flush joints, helped create a visually pleasing building whilst being also sympathetic to the surrounding environment and existing buildings. Qbiss One's rounded corner delivering a superior aesthetic appearance whilst also preventing any potential threat of corrosion and its energy efficiency, achieving values down to $0.15 \text{ W/m}^2\text{K}$, ensures the Qbiss One façade system, provides the perfect living environment.



Qbiss by Trimo

IN SAFE HANDS

Recognising the importance of protecting life, especially from the risks of smoke and fire, the choice of Qbiss One ensures safety with no compromise. With its class A1 non-combustible core material, not adding any energy to a fire, the insulation will not ignite when exposed to flames which can prevent fire from spreading to other materials. In fact, the entire Qbiss One façade system has an A2 classification and assures two hours fire resistance (integrity and insulation) at thickness of 150 mm.

TRIMO
ARCHITECTURAL
SOLUTIONS



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