

Factsheet

Heidelberg Congress Center

Schillerstraße 20
D-79102 Freiburg
T +49 761 791 99 09
F +49 761 791 99 08
contact@gisela-graf.com
www.gisela-graf.com

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Details of the architectural bureau

Name of the architectural bureau	Degelo Architekten
Project partner	Florian Walter
Project manager	Joel Heritier
Address of the architectural bureau	St. Jakobstrasse 54, 4052 Basel CH
Website	https://www.degelo.net

Project details

Name of the building	Heidelberg Convention Center
Address	Czernyring 20 D-69115 Heidelberg
Federal State	Baden-Württemberg Germany
Site location	In the new Heidelberg Bahnstadt quarter, at the Europaplatz square south of the main railway station
Intended use	Congress and convention centre
Type of contract	Competition
Building contractor	BSG Bau- und Servicegesellschaft mbH, Heidelberg
Project managing contractor	GGH Gesellschaft für Grund- und Hausbesitz mbH Heidelberg
Overall project manager	Wahid Saberi
Project manager	Jürgen Wachter
Occupier	Heidelerger Kultur- und Kongressgesellschaft mbH

Technical planners

Structural engineers

AWD Ingenieurgesellschaft mbH
Salierring 47
D- 50677 Köln

Landscape design

Berchtold.Lenzin Landschaftsarchitekten
St. Alban-Tal 40A
CH- 4052 Basel

Construction management

E2 Ernst2 Architekten AG
Lützelsteiner Str. 1A
D- 80939 München

Heating and ventilation planning / structural physics

Team für Technik GmbH
Zunftstraße 11
D- 76227 Karlsruhe

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Sanitation planning

TfT - Team für Technik
see above

Electrical planning

pbr Planungsbüro Rohling AG
Albert-Einstein-Straße 2
D- 49076 Osnabrück

Fire protection planning

Integris
Saarburger Ring 10-12
D- 68229 Mannheim

Acoustics planning

GN Bauphysik
Bahnhofstraße 27
D- 70372 Stuttgart

Solar planning

Stadtwerke Heidelberg Energie GmbH
Kurfürsten-Anlage 42-50
D- 69115 Heidelberg

Light planning

Envue Homburg Licht GmbH
Akazienstraße 29
D- 10823 Berlin

Canteen kitchen planning

Giel Planungsgesellschaft
Domäne Monrepos 1
D- 71634 Ludwigsburg

Media engineering

Wireworx
Esperantostraße 9
D- 70197 Stuttgart

Lift system planning

FC-Planung GmbH
Am Taubenfeld 21/2
D- 69123 Heidelberg

Main contractors

Shell construction
Concrete works

Ed. Züblin AG
Direktion Karlsruhe
Bereich Ingenieurbau
An der Tragweide 18
D-76139 Karlsruhe

Wooden windows

Round exterior windows, fixed and pivoting

Schreinerei Koch GmbH
Wilhelmstr. 2
D-64853 Otzberg

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Parquetery

Multilayer elm parquet (Adlerparkett) in
conference rooms

Bodentechnik Kretzschmar GmbH & Co. KG
Sachsenwerkstr. 30
D-01257 Dresden

Seel mullion transom facade

Mullion transom facades main & second entrance

Trube & Kings Fassadentechnik GmbH
Am Bahnhof 47
D-56767 Uersfeld/Bahnhof

Lot 1 carpentry - interior doors

Wood panelling acoustics
Carpentry doors (partially elm veneer) by Schörghuber
Acoustic wall panelling in conference rooms with
micro perforation and elm veneer
Wooden handrails

Karl Westermann GmbH & Co. KG
Albstraße 1
D-73700 Denkendorf

Steelwork

Steel frame and service stairs

Kattner Stahlbau GmbH
Gewerbegebiet Liebschützberg
Gewerbestraße 9
D-04758 Oschatz

Metalworking

Railing works
Metal doors

Lindner Metall
Cranzahler Weg 184
D-09474 Crottendorf OT Walthersdorf

Sanitation works

LTA Lufttechnische Anlagen GmbH
Mallaustraße 55
D-68219 Mannheim

Heating engineering

including heated/chilled ceilings in conference rooms
Underfloor heating in terrazzo flooring

Diehl GmbH
Bahnhofstraße 30
D-55774 Baumholder

Ventilation systems

Ventilation and air-conditioning

Caverion Deutschland GmbH
Gstocketwiesenstraße 9
D-94469 Deggendorf

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Electrical work

including lighting, cable drawing

Sauter Elektrotechnik GmbH & Co. KG
Weiðhofer Straße 100
D-75015 Bretten

Furnishing

User furnishing events, administration

designfunktion Rhein Neckar GmbH
Schlierbacher Landstraße 9
D-69118 Heidelberg

Natural stone facade

Stone facade constructed from Neckar valley red sandstone
Perforated acoustic wall from Main valley sandstone

Bamberger Natursteinwerk
Hermann Graser GmbH
Dr.-Robert-Pfleger-Straße 25
D-96052 Bamberg

Roof glazing

Roof glazing spanning up to 16 metres
Passivhaus standard tinted glazing

Hefi GmbH
Egerten 1
D-74388 Talheim

Refrigeration cold storage room

Refrigeration

Viessmann Kältetechnik Ost GmbH
Inselallee 2
D-01723 Kesselsdorf

Mobile separation walls

Mobile separation wall systems in conference rooms
(partially veneered)

abopart GmbH & Co. KG
Eichenweg 4
D-26160 Bad Zwischenahn

Building automation

Grothues MSR-Technik GmbH
Unterm Sand 1
D-69181 Leimen

Glass facade interior and tubular frame doors

F30 fire safety interior doors in foyers

Eckert Glas- und Metallbau GmbH
Meckesheimer Straße 27
D-74927 Eschelbronn

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Drywall construction ceilings, acoustic rendering

Acoustic ceilings in foyers (Fumi-Akustikputz)
Acoustics in small hall: > Sub.Fa.Asona

GZ Innenausbau GmbH
An der Flachsgröße 1
D-64367 Mühlthal

Interior darkening

Complete darkening of skylights in large hall

Brichta GmbH
Am Fischerhölzle 8
D-89420 Höchstädt

Special project lighting

Special lighting foyers
additional lighting by Litec

Bergmeister Leuchten GmbH
Eschenloh 16A
D-83553 Frauenneuharting

Acoustic measures

Acoustics in large hall: > Sub.Fa.Asona

Ullrich & Schön GmbH
Salierstraße 40
D-70736 Fellbach

Media engineering

mevis.tv GmbH
Blumenstraße 42
D-70182 Stuttgart

Stage flooring

Stage flooring 3S-boards with self-driving LED-trolley

Bühnenbau Wertheim GmbH
Dietenhaner Straße 29
D-97877 Wertheim

LED trolley

Self-driving LED trolley on stage 16x9m

HOAC Schweißtechnik GmbH
Pferdeweide 39C
D-47441 Moers

Flooring

Studio floors

Die Wohnidee Stolz GmbH
Neuffenstraße 3
D-73240 Wendlingen

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TV studio equipment

Broadcast Solutions GmbH
Alfred-Nobel-Straße 5
D-55411 Bingen am Rhein

Studio lighting

DP Lighting Systems GmbH
Hildestraße 14
D-55294 Verbandsgemeinde Bodenheim

Stage equipment, stage curtain

Bühnenbau Schnakenberg GmbH & Co. KG
Rosenthalstraße 16
D-42369 Wuppertal

WLAN infrastructure

Heidelberg IT Management GmbH & Co. KG
Kurpfalzring 110
D-69123 Heidelberg

Photography

Copyright photographs photographer
Name of photographer
Copyright photographs architect
Name of photographer

Achim Birnbaum
Achim Birnbaum
Degelo Architekten
Joel Heritier

Key figures

Competition	October 2017
Building permit granted	21. Jul 20
Planning timeframe	2018-2022
Construction timeframe	2020-2024
Completion	April 2024
Relative elevation of the site	112.9 MSL
Building height	19.53m
Dimensions	105m x 94m x 19.53m
Number of storeys	total of 6 (2 basement levels, 3 foyer levels, 1 mezzanine)
Maximal capacity	Total of 3,800 persons (seated) 4,360 persons (maximum capacity allowed)
Capacity main hall	1,800 persons
Total floor area (DIN 277)	29,150 m ²
Total floor area (DIN 277) including exterior terraces	29,500 m ²
Net usable area (DIN 277)	26 600 m ²

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Facade area	5,300 m ²
Total roof surface area	7,040 m ²
of which greened roof surface	3,300 m ²
of which natural roof surface	680 m ²
Building volume	170,300 m ³
Total construction costs	€110 million

Surface areas

Large hall	1,500 m ²
Small hall	645 m ²
Conference rooms	60 - 230 m ²

Capacity with row seating

Large hall	1,804 persons
Small hall	808 persons
Studio	100 persons
9 conference rooms	from 70 to 280 persons
Total	3,761 persons

Parking spaces

Car parking	330, of which 70 with charge points for BEVs
Bicycle parking in building	164, of which 50 for e-bikes
Bicycle parking exterior	224.

Structural engineering / shell construction

Reinforced steel	4,370 t
Formwork casing	87,000 m ²
Recycling concrete	45,00 m ³
Exposed concrete	4,000 m ³
Exposed concrete / white concrete	8,500 m ²
Exposed concrete / grey concrete	6,700 m ²

Construction

Regional natural stone facade	4,800 m ²
Number of lifts	8

Building services

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Grey and rainwater pipelines	1,700 m
Potable water pipelines	3,300 m
Heating and cooling pipelines	5,800 m
Sprinkler pipelines	13,000 m
Ventilation pipes	2,300 m
Ventilation ducting	13,500 m ²

Electrical engineering

low-voltage main distribution boards	3 items
Universal circuit distributor	20 items
Laying systems	28,000 m
Zero-halogen cables and lines	193,000 m
Installation units	1,300 items
Underfloor mounting boxes	300 items
Lighting lines	325 m
Overall lighting units	1,300 items
Distributors for data and media equipment	26 items
Copper cables for data and media equipment	108,000 m
Fibre optic cables for data and media equipment	28,500 m

Photovoltaic installation

Area of the rooftop PV installation	1,400 m ²
Capacity of the PV installation	approx. 283 kWp

Loadbearing structure

The loadbearing structure is made from concrete. The visible concrete surfaces in the public areas are white concrete. A total of 2,500 m³ of white concrete and 23,000 m³ of in-situ-concrete with various grades were used. The large hall with a width of 31 metres is spanned by 3,3 m high beams. The lower ceiling is vaulted. The side walls are up to 19 m high. The foyer areas and the main entrances are support-free. These spans are made possible through wall-like supports that are integrated into the building and the ribbed slab roof.

Sustainability

The German Society for Sustainable Building DGNB gold certificate has been applied for (Passivhaus energy standard). The criteria catalogue of the quality certification covers everything relevant to sustainability and also takes a buildings life cycle into account. It assesses ecology, economics, socio-cultural and functional aspects, technology, process quality and location. In the case of the HCC, the beneficial supply of primary energy by a district energy scheme and photovoltaics, a health- and environmentally sustainable choice of materials, an improvement of micro climate through roof greening and the reduction of grey water through infiltration of rainwater has been realised.

Building services

The air-conditioning of the foyer, the large hall and the small hall are achieved through underfloor heating and cooling, as well as the heating and cooling ceilings in the conference rooms. The system uses the district energy scheme. Some rooms are climatized through mechanical ventilation. The main foyer uses cooling in the walls. This structural cooling is only used to dissipate excess heat during summer.

Press contact

Gisela Graf
gisela graf communications
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F +49 761 791 99 08
contact@gisela-graf.com
www.gisela-graf.com

Katharina Marchal
T +41 79 301 90 32
km@katharina-marchal.ch