

FACT SHEET

CCH – Congress Center Hamburg awarded DGNB Gold certificate

- ❖ The CCH has been awarded DGNB Gold certification, achieving an overall compliance score of 76.7 percent. DGNB is the abbreviation of Deutsche Gesellschaft für Nachhaltiges Bauen, or German Sustainable Building Council.
- ❖ The CCH is the first, and so far, the only German convention center to receive DGNB Gold certification.
- ❖ This is the highest DGNB sustainability certification level awarded to an existing convention building to date.
- ❖ Compared to constructing a completely new building, the CO₂ emissions from the production processes for revitalization were reduced by approximately 50 percent. This amounted to about 25,000 tons of CO₂ saved in production.

Sustainability was part of the concept from an early stage

- ❖ Sustainability was part of the concept from the earliest project stages.
- ❖ Sustainability goals were incorporated in the design competition and included in the evaluation of the entries as quantified criteria.
- ❖ The quality of the design provides the basis for a long lifespan.
- ❖ The jury found the winning building concept by itself to be the most compelling solution in terms of sustainability.
- ❖ The concept uses state-of-the-art control technology (technical services).

“Congressplatz” square

- ❖ Following the upgrading of the Dag-Hammarskjöld-Platz and Congressplatz squares, the CCH now has direct and barrier-free access to Dammtor train station.
- ❖ Congressplatz square, with its green areas and fountains, creates a very pleasant ambience that invites citizens and visitors of Hamburg to linger.
- ❖ There is a dedicated traffic concept for the square: It is optimized for bicycle users (featuring numerous bicycle stands); and at certain times during events at the CCH – Congress Center Hamburg, buses and VIP transfer vehicles for visitors are allowed to enter.
- ❖ Close integration with Planten un Blomen Park has been implemented successfully.
- ❖ "Marseiller Strasse" street was downsized to create "Marseiller Promenade". This provides the public with two hectares of additional green area.
- ❖ Private vehicle traffic to the CCH merges in Tiergartenstrasse and is routed to the CCH underground parking garage on the north side of the building.

Barrier-free building

- ❖ It was clear from the beginning that any forward-looking concept for the CCH – Congress Center Hamburg would have to satisfy barrier-free access requirements, despite the limitations that came with preserving much of its historic substance.
- ❖ The new CCH – Congress Center Hamburg meets the stringent requirements for barrier-free access.
- ❖ For example, it features audio induction loops and tactile guidance systems, visual alert systems, digital signage and strobe lights.
- ❖ The underlying barrier-free concept was developed jointly with representatives of various interest groups.

The future is spectacular!

Eco-friendly and healthy building products

- ❖ All materials used in the construction project were scrutinized for environmental and health compatibility as well as compliance with the strictest DGNB standards.
- ❖ For the purposes of DGNB certification, 837 construction products were inspected prior to installation, and tested for material properties and formulation components as a prerequisite for a healthy interior space hygiene, which has since been confirmed in room climate measurements.
- ❖ 85 percent of the wood products used came from sustainable forestry.
- ❖ Foyer and Hall 3: Using some of the existing substance (instead of erecting an entirely new building) is sustainable practice. Highly durable bamboo parquet flooring was installed. It is low-maintenance; and bamboo is a fast-growing renewable resource.
- ❖ Hall 3 is under historic preservation protection. To the extent possible, existing material was cleaned and reinstalled, such as the iconic "light organ", now fitted with LED luminaires.

Improved microclimate, minimized resource consumption

- ❖ To improve the local microclimate, increase biodiversity and reduce the ecological footprint of the building, 2,000 square meters of additional rooftop garden area were created above Hall 1.
- ❖ The statutory energy efficiency requirements were surpassed by around 20 percent for the modernized portions of the building, and by approximately 30 percent for the newly-built parts.
- ❖ Every night the air inside the Belvedere is fully replaced with air from Planten un Blomen Park.
- ❖ The long horizontal sun breaker elements not only visually allude to the vertical ornamental strips but also produce a natural shading effect, protecting against direct sunlight.
- ❖ This feature, combined with the smart control of the façade openings (glass air vents), rendered an energy-intensive air conditioning system superfluous.

High usability of spaces

- ❖ The new CCH – Congress Center Hamburg has up to 50 multifunctional rooms.
- ❖ The breakout rooms can be partitioned off, each with its own, independent service connections. In addition, numerous utility supply points ensure maximum usability of all the spaces in the building.
- ❖ Sophisticated light, HVAC and sound control systems make the breakout rooms highly flexible and adaptable to any conceivable purpose.
- ❖ Soundproofing and acoustic panels in and on the walls (wooden panels) further enhance comfort.
- ❖ A four-meter ceiling height ensures large room volumes that benefit concentration.

High-quality user experience and sophisticated digital lighting and event technology

- ❖ The planners placed great emphasis on high-quality lighting in the individual rooms as well as the foyer, with the objective to follow the natural daylight rhythm in the halls and meeting rooms while creating well-balanced illumination levels and light moods.
- ❖ High-efficiency, perfectly dazzle-free lights fitted with LED technology were selected.
- ❖ At the same time, all spaces ensure maximum comfort, allowing for plenty of daylight while offering a fantastic view across the surrounding park scenery.
- ❖ The foyer not only spreads an exceptionally pleasant atmosphere but is also generously equipped with utility and other technical connection points, making it highly variable and usable.

Conclusion

- ❖ The CCH implements an economically viable solution, both in terms of building and operational effort.
- ❖ It uniquely combines the concept of ecological, technical and social sustainability with daring artistic vision.
- ❖ The 2022 BDA Hamburg Architecture Award was an impressive demonstration of the CCH's ability to meet not only today's needs but also those of generations to come.

Sustainability at Hamburg Messe und Congress, the operator of the CCH

- ❖ Hamburg Messe und Congress (HMC) is a signatory of the “Net Zero Carbon Events” initiative which advocates global cooperation throughout the events industry to jointly tackle and overcome the challenges resulting from the global climate crisis.
- ❖ HMC is committed to ensuring responsible and sustainable business operations. This commitment is based on the United Nations’ 17 Sustainable Development Goals to reconcile business interests with ecological and social causes.

Further information on sustainability at the CCH and at Hamburg Messe und Congress:

- ❖ <https://www.cch.de/en/venue/sustainability>
- ❖ <https://www.hamburg-messe.de/en/company/corporate-social-responsibility/17-sustainable-development-goals>

German Sustainable Building Council (DGNB) Assessment of the CCH – Congress Center Hamburg

Main criteria groups	Percentage in overall rating	Compliance level
Ecological quality (ENV)	22.5 %	86.1 %
Economic quality (ECO)	22.5 %	94.6 %
Sociocultural and functional quality (SOC)	22.5 %	63.1 %
Technical quality (TEC)	22.5 %	58.7 %
Process quality (PRO)	10.0 %	86.4 %
Site quality (SITE)	0.0 %	58.3 %
Overall compliance		76.7%
Gold Award		

Contact for inquiries about certification details:

Jan Zak, auditor in charge of the CCH – Congress Center Hamburg
cell: +49 (178) 66 00 356
e-mail: jan.zak@ikl-gmbh.de