

Frankfurt School of Finance & Management

Adress: Adickesallee 32-34, 60322 Frankfurt am Main, Germany

Details

Location: Frankfurt am Main, Germany

Client: Frankfurt School of Finance & Management gGmbH

Project lead client: Frankfurt School of Finance & Management gGmbH Ringsleben/Neumann

Project Management: MOW Architects, Frankfurt

User: Frankfurt School of Finance & Management

Gross floor area: 37.880 m², 31.290 m² above surface, 6.590m² under surface

Gross volume: 180.470 m³

Student Capacity: 2000

Time of construction: 2015-2017

Type of Assignment: 1. Prize of invited international competition

Building costs: 109.400.000 €

Architects: Henning Larsen, Copenhagen/Munich, Denmark/Germany, (LPH) I-IV, lead details in LPH V, design consultation in LPH V-VIII,

MOW Architekten, Frankfurt am Main, Germany, LPH V-VIII

Landscape Architecture: Man Made Land, Berlin, Germany, LPH I-IV

HKK, Frankfurt am Main, LPH V-VIII

Organizational Planning: Kleibrink, Smart in Space, Winterthur, Switzerland

Demolition: B + G Ingenieure, Bollinger und Grohmann GmbH, Frankfurt am Main, Germany

Structure Planning: OSD Office for Structural Planning, Frankfurt am Main, Germany

Fire Protection: Endreß Ingenieurgesellschaft mbH, Frankfurt am Main, Germany

TGA: Solares Bauen, Freiburg, Germany

Caverion Deutschland GmbH, Munich, Germany, LPH V

Electrical Planning: BWP, Essen, Germany

Caverion Deutschland GmbH, Munich, Germany, LPH V

Building Physics: Kurz & Fischer, Winnenden, Germany

Kitchen Planning: Profil Gastronomie Planung + Innovation GmbH, Kriftel, Germany

Team Architects, Henning Larsen:

Louis Becker (Principal Partner), Werner Frosch (Managing Director, Partner), Danijel Schneider, Georg Brennecke, Juliane Demel, Joanna Gasparski, Jake Spruit, Kyd Kitchaiya, Sarah Müllertz, *[not longer employed at Henning Larsen: Sven Krüger, Markus Böhm, Melissa Ang von Naso, Alen Hausmeister, Erik Holm-Hansson, Santiago Bautista, Zoltán Tóth]*

Vision

The new campus of Frankfurt School of Finance & Management has been designed to be closely linked to the surrounding city and sets new standards for transparent and open learning in the world of business and finance. The business school is created as an innovative community, a learning space with close ties to Frankfurt, one of the largest financial centers in Europe. Transparency, cohesion and community are all guiding principles in the building. This is a place where students, teachers and visitors all have visible access

throughout the school. Visibility and openness create the feeling of belonging and of being part of a greater whole.

With this new campus, Frankfurt School of Finance and Management sets new standards for learning in the world of business and finance.

Design Concept

The design concept for Frankfurt School of Finance & Management is rooted in the wish to create an educational facility that allows exchange of knowledge and open dialogue to flow freely. The school is designed as a small city within the larger urban setting. The publicly accessible inner *Street of Knowledge* running through the building is instrumental in this ambition - this is where students, faculty and visitors from the city's business community can meet and interact. A substantial part of learning in higher education takes place through the knowledge passed on between students through informal social interaction, where dialogue is allowed to take center stage. Therefore the new campus of Frankfurt School of Finance & Management is designed with a rich variation of educational spaces that also encourage learning outside classrooms. In the building a spectacular skylight and the offset location of five towers create an optimal flow of natural daylight. The goal has been to ensure students and teachers access to natural daylight since research shows* that that students achieve 5-14 % higher test scores and learn 20-26 % faster when placed in rooms lit by natural daylight.

(* The World Green Building Council Report, 2013)

Functions

The Street of Knowledge is accessible from lecture halls, seminar- and conference rooms, as well as quiet zones, the library, the café and the canteen. The functions facing *The Street of Knowledge* are all open and transparent encouraging a sense of community and openness.

The two north-south facing volumes to each side of the street are occupied by a rich variation of spaces for education, a variation that reinvents the traditional hierarchical structure of learning. A mix of 61 spaces for teamwork and informal encounters, 38 seminar rooms, 11 intimate lecture rooms shaped like an amphitheater and 1 auditorium space highlights the ambition to encourage learning outside the classrooms. The two parallel buildings grow into five offset towers above level 3. This flow not only facilitates an easy organization of departments in clusters but leads to an optimal infusion of daylight into the building by the addition of facade surfaces. The separation into five towers of 400 m² units also allows for flexible office structures offering cell-, group-, combined- and open space offices with a total of 499 working stations. In addition, one access core containing service facilities serves two towers, thereby maximizing floor space efficiency. The attractive open air terraces overlooking the city are placed on level 3.

Façade

The design of the façade places opaque and transparent façade elements in optimal relation to solar radiation, noise pollution and wind conditions. Differently coloured terracotta ceramic panels make up the surface of the façade paying tribute to the materials and colours of the façade tiles of the former building on the site, the Oberfinanzdirektion. The combination of matte and glossed surfaces create a beautiful dynamic and a small-scale structured impression, constantly changing according to the time of the day and the lighting conditions. A mechanical, sensor-controlled sun protection works to ensure that the building is not overheated.

Sustainability

Frankfurt School of Finance & Management is designed to the DGNB Platinum standard thereby reducing the demand of primary energy by 60 percent compared to the standards of EnEV. The building's geometry was optimized in the early design phases through energy calculations and daylight simulations. This approach has reduced the demand for artificial lighting and expensive implementation of heating and cooling systems. The dissolving of the volumes into five towers allows more daylight to enter into the office spaces, creating healthy learning and working conditions. In addition the façade of the building volume is designed in optimal relation to solar radiation, noise pollution and wind conditions. The design of the outdoor spaces include both the preservation of existing trees and the planting of new ones, the establishing of a fountain and the implementation of green terraces. Rainwater retention has also been implemented to address the effects of intense rain fall. Photovoltaic elements with 63 kWp and a wind turbine on the roof cover for renewable energies.

Preservation Orders

The Oberfinanzdirektion one of Frankfurt's major solitaire building from the 1950s, profoundly characterized the city quarter (by architect Horst Köhler, completed 1955). The building was separated from the heavily commuted Adickesallee by a public green space. The so-called Präsidialbau was prominently located in front of the building. The listed building Präsidialbau with the connecting bridge and black coated glass entrance was integrated in the design of Frankfurt School of Finance & Management. The former building on site, the Oberfinanzdirektion, is acknowledged in the design of the campus through the scale of the new building as well as in the choice of materials. The historical gas station, which was formerly situated in the parking area, has now been transited to its new location in the north-western corner of the site. It now functions as a pumping station for bicycles and power station for e-bikes and electric cars.

Henning Larsen

Henning Larsen is a global architecture and urban design practice with a Scandinavian ethos. We shape, challenge and change the physical environment at every scale— from urban space and buildings to interiors and graphics— with the overall objective of providing users with visionary, comprehensive, and sustainable design. Our approach to design goes beyond the physical and visual impact of a project: our goal is to create vibrant, sustainable buildings that reach beyond themselves and become of lasting value to the people and society for which they are built. Henning Larsen's broad portfolio features significant masterplans, mixed-use projects, headquarters and flagship offices, residential projects, cultural venues, university buildings, and sustainability consultancy. Since our founding in 1959, we have completed projects in over 20 countries. Today, we are 300+ architects and specialists, with offices in Copenhagen, Oslo, Faroe Islands, Munich, Riyadh, Hong Kong, and New York City.

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