

STYLISH AND SUSTAINABLE SOLUTIONS FOR A FASHION GIANT



ZALANDO HEADQUARTERS BERLIN, GERMANY

The new Zalando Headquarters will form the heart of the corporate campus in Berlin-Friedrichshain, providing high quality working spaces for over 2,000 employees of Europe's largest online fashion retailer. BuroHappold Engineering has devised an integrated engineering design solution for the development, providing high levels of energy efficiency to meet the performance requirements defined by the client.

Contributing to the sustainability of the project, the facade has been optimised to ensure minimum heat loss and maximum daylighting for the office workspaces, while the main building's striking atrium roof showcases the integrated solutions used by our engineers. By using Building Information Modelling (BIM) during the design, we were able to successfully incorporate daylighting, night cooling, acoustic performance, a sprinkler layout and cleaning gantry into the roof structure.

A key element of the design is the exposed building services systems, which form part of the building's visual expression as a 'living machine'. With this in mind, it was

critical that our team successfully integrated the MEP systems within the architectural design, ensuring optimal performance while realising the design intent. Sustainable building services elements include LED lamp sources, a lighting management system, demand based ventilation and energy efficient building systems management controls.

We took a similar approach with the specification of structural elements, which are also exposed. Fair-faced reinforced concrete has been used throughout, while the atrium walls, columns, slabs and stairs have been designed to appear as one. As well as its aesthetic appeal, the structural solution influences the sustainable credentials of the project. The exposed concrete surfaces maximise the use of thermal mass, which helps to buffer the temperature gradient between day and night. In addition, avoiding the use of paint or other finishes reduces the carbon footprint.

Set to become a flagship building for the Zalando brand, the new headquarters building will provide outstanding facilities for occupants, while aiming to achieve a DGNB Gold certification.

CLIENT
Zalando SE

ARCHITECT
HENN architects

PROJECT VALUE
Confidential

DURATION
2015 – 2018

SERVICES PROVIDED BY
BUROHAPPOLD
Structural engineering, building services,
building simulations, daylighting