

A NEW CULTURAL AND ENTERTAINMENT CENTRE IN THE HEART OF BERLIN



## MERCEDES PLATZ BERLIN, GERMANY

Mercedes Platz is set to be a major mixed use cultural and entertainment complex for central Berlin, and will form the heart of the city's new district in Mühlenstrasse. The development will feature four indoor performance venues with outside spaces, two hotels, multi-screen cinema facilities, an indoor bowling centre, high quality restaurants and catering outlets, new office buildings and basement parking. BuroHappold Engineering's brief was to develop a sustainable, efficient and integrated world-class design for the project.

A key requirement from the client was to ensure that the various buildings within the scheme worked in harmony with the proposed site, and allowed for current and future flexibility for change in use and function. The challenge for the BuroHappold team was to locate the various entertainment venues within an integrated building envelope, with each venue having various structural, acoustic, comfort and energy demands. The forms of the various spaces varied considerably and required separate engineering strategies to be developed.

The design team's unified architectural and engineering solution has allowed the structural forms to be maximised for efficiency while integrating the mechanical and electrical systems within the highly serviced spaces. The various patterns of occupancy and use within the facility has enabling a central energy point to be created, maximising the diversity in the heating, cooling and power demands across the site.

The efficiency of the structural forms and the on-site energy solutions have been a key part of our team's sustainable design approach. The buildings are designed to complement the other sustainable design features, including mixed mode ventilation, high performance facades, well insulated building envelopes, green material selection and a central energy management system. The project aims to achieve excellence through the integrated engineering approach.

With aspirations of becoming Berlin's leading entertainment centre, Mercedes Platz will provide outstanding facilities for the city's community and the tourists that visit each year.

**CLIENT**  
Anschutz Entertainment Group Development GmbH

**ARCHITECT**  
RTKL / AUKETT + HEESE

**DURATION**  
2014 – 2018

**SERVICES PROVIDED BY  
BUROHAPPOLD**  
Structural engineering, building services engineering, energy consultancy