

A COOL COMPLEX DESPITE CHANGING PARAMETERS



HIGHLIGHTS BERLIN, GERMANY

This 14,000m² mixed use complex will be a sought after addition to Teutoburger Platz, one of Berlin's most popular neighbourhoods. The ground floor is dedicated to commercial use, while the first to sixth floors house a mix of two to five bedroom apartments.

BuroHappold Engineering is providing structural engineering and MEP design services from concept design through to completion. Throughout the design process, our client requested numerous layout and design changes, which we worked closely with the wider design team to respond to with a floor plan that allows for maximum flexibility of use while retaining bright and open interior spaces.

Another key challenge for our engineers came in accommodating the architect's design for a non-load bearing facade. Because this would not run down to the ground, we had to incorporate the facade within our structural design to give it stability. We achieved this by casting the facade panels as part of the main struc-

ture, which also eliminated the need for secondary wind posts and additional facade support elements.

To ensure work remained on time and to budget despite these issues, our experts undertook a detailed study of the MEP, structural and architectural design for the new complex, and developed a coordinated delivery package that will simplify and streamline the construction process.

Throughout the project, we have responded proactively to challenges and unforeseen changes to the brief and maintained a positive working relationship with the team to ensure these alterations did not result in escalating costs or delays.

CLIENT
DEGILOS Immobiliengesellschaft mbH

ARCHITECT
GRAFT

PROJECT VALUE
€27 million

DURATION
2014 - 2016

**SERVICES PROVIDED BY
BUROHAPPOLD**
Structural engineering, MEP engineering