

## RESIDENTIAL COMPLEX POEHLBERGSTRASSE Berlin (Germany)

### NEW BUILDING

**Client:** Degewo Marzahner Wohnungsgesellschaft mbH, Berlin (Germany)

**Architects:** ioo Elwardt & Lattermann Architekten mbH, Berlin (Germany)

**Our services:**

- Structural design
- Establishing the basis
- Preliminary design
- Developing static design concept
- Schematic design
- Structural fire protection
- Thermal insulation
- Sound insulation
- Planning of pit sheeting

**Brief description:**

- Construction of a new residential complex with 95 flats
- 6-storey solid construction, reinforced concrete and masonry, with basement
- L-shaped floor plan, length 56.00 m x width 18.50 m
- foundations as flexibly bedded base plate
- bracing via reinforced concrete floors, masonry and reinforced concrete walls as well as lift well
- slabs spanning up to 8 m
- reinforced concrete flat slabs, constructed using in-situ concrete
- due to irregular floor plans on upper floors, load transfer on the ground floor through highly loaded wall-type beams
- expansion joint to compensate for temperature influence as well as creep and shrinkage of the concrete on the ground floor
- flats on the upper floors with balconies, on the ground floor with gardens
- flat roof, greened
- basement with plant rooms and tenant storage units

**Completion:** 2021



Computer animation

