

OFFICE AND HEALTH CENTRE COMPLEX Freiburg (Germany)

NEW BUILDING

Client: Moser GmbH & Co KG, Merzhausen

**Certified
Inspection Engineer:** Prof. Dipl.-Ing. Matthias Pfeifer

Our services: Structural engineering inspection in accordance with regulations and standards
Building
Static calculations
Earthquake engineering
Execution planning
Planning of prefabricated reinforced concrete parts
Structural fire protection
Sound insulation
Random monitoring of the structure during the building phase
Shoring
Static calculations
Execution planning
Random monitoring of the structure during the building phase
Façade
Static calculations
Execution planning including all details
Random monitoring of the structure during the building phase

Brief description: New built multi-storey block with underground car park
Building
- 5-storey solid construction, reinforced concrete and masonry
- flat slabs
- reinforced concrete columns
- stiffening through the stairwell core
- 2-floor underground car park with slab spanning up to 9 m
- "white Tank"
Shoring (foundations)
- back-anchored sheet pile wall
- 6 m deep enclosed excavation pit
- dewatering during the construction phase
- flooding of the shell during winter because of danger of buoying up
Façade
- subsequent mounting of the aluminium facade, spot welded

Architects: Peter Mugele, Esslingen

Structural Engineers: **Building**
Kienzler und Kunzelmann, Freiburg
Shoring
Adolf Keller, Spezialtiefbau GmbH, Baden-Baden
Façade
Pötzsch, Herbolzheim

Completion: 2013



25/04/2013