

## LUXOR - MOVIE PALACE Bensheim (Germany)

### NEW BUILDING

**Client:** FTB Christa & Jochen Englert GbR, Schifferstadt

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

**Our services:** Structural engineering inspection in accordance with regulations and standards  
Static calculations  
Execution planning  
Random monitoring of the structure during the building phase

**Brief description:** Newly built multiplex cinema with seven theatres, one of which is a specialised thematic cinema, foyer with exhibition aquarium, roof lounge, restaurant and offices

- one- to two-storey solid construction
- combined pile and raft foundation
- in the office area hollow-core slabs out of pre-stressed, spanning 6.5 m
- in the cinema area continuous steel girders (rolled profile), spanning of up to 20 m
- stiffening by means of walls and trapezoidal roof cladding
- flat roofs with trapezoidal roof cladding

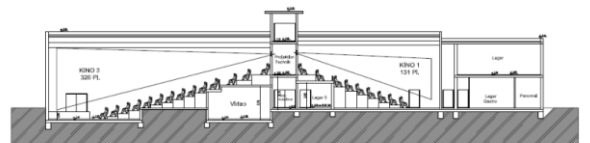
**Architects:** Hansske Architekten, Kassel

**Structural Engineers:** Building  
Dipl.-Ing. Hans Bendel, Limburg/Lahn  
Façade  
BREHM Bauconsult GmbH, Bensheim

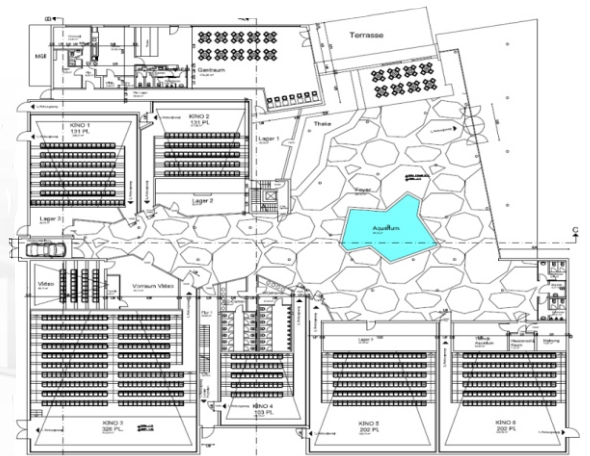
**Completion:** 2011



Section 1 (Cinema auditorium, roof lounge, adjoining rooms)



Section 2 (Cinema auditorium, adjoining rooms)



Floor plan ground floor

