

## SPREEWALD - THERME Burg (Germany)

### NEW BUILDING

**Client:** Spreewald-Therme GmbH, Burg

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

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

**Brief description:** New building of spa baths with bathing, sauna, massage and fitness areas  
- floor space over an area of 8,000 m<sup>2</sup>  
- partial cellar  
- use of building materials typical for region: wood, brickwork, thatch  
- combined construction with concrete flat roofs, sloping roof construction of steel and timber  
- large, almost column free, design of the pool area  
- span of up to 25 m  
- roof structure over the pools out of steel girders (rolled profile), partially resting on concrete columns, partly on leaning steel tube columns, trapezoidal roof cladding  
- timber frame construction of the sauna area is attached to the main roof structure  
- pools made of water-impermeable concrete

**Architects:** 4a Architekten, Stuttgart

**Structural Engineers:** Fischer & Friedrich, Stuttgart

**Completion:** 2005

