



# PROJECT REFERENCE

## DATA CENTER

### BUILDING SERVICES ENGINEERING



**Client:** Freie Universität Berlin

**Duration and Value:** Commenced 04.2009, expected completion date autumn 2010  
Chargeable fees approx. 500 000 €

**Tasks:**

- Design and consulting services for the main DC on the campus of the FU in Berlin
- Modernization of the HVAC and cooling systems and associated electrical infrastructure

**Services:**

- HOAI phases 2 – 8
- System groups 1 – 3

**Highlights:**

- Gut renovation of the existing central cooling plant, refit during ongoing facility operation
- Employment of emergency cooling unit to ensure continuity of facility operation
- Modular technology to provide for all future configurations
- Recirculation air conditioning system, cold aisle containment, water-cooled racks