

PROJECT REFERENCE

DATA CENTER
HVAC SYSTEMS



Client: Technische Universität Berlin

Duration and Value: 06.2009 – 12.2010
Construction value approx. 4 million €

Tasks:

- Modification of the structural and technical infrastructure of TU Berlin's main data center (approx. 600 m²) to meet future growing demands
- Energy-efficient replacement and refurbishment of the cooling systems, replacement of cooling units and air conditioning supply systems and all associated electrical installations
- Creation of an emergency power supply (back-up power and UPS)

Services:

- Full project design services in accordance with HOAI phases 2 – 8 for architecture, outside facilities, structural design, building services systems groups 1 – 4
- Design of the new cooling, HVAC, electrical and security systems to ensure energy efficient operations and secure power supply to the data center using state-of-the-art technology in accordance with TÜViT guidelines
- Design services for the conversion of the premises

Highlights:

- Redevelopment of existing building during ongoing facility operations
- Preparation for TÜViT Level 2 certification