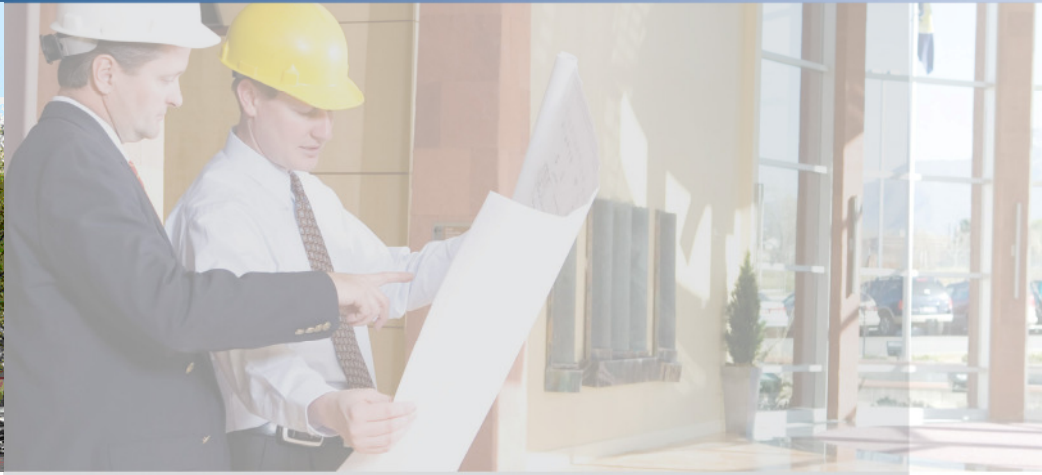


PROJECT REFERENCE

DATA CENTER

FULL PROJECT DESIGN SERVICES



Client: Information und Technik NRW (formerly LDS – State Office for Data Processing and Statistics North-Rhine Westphalia)
Düsseldorf

Duration: 2006 – 2010

Tasks:

- DC redevelopment with 1800 m² floor area
- DC new build with 1000 m² floor area
- Construction of a new, underground power supply building (800 m²) to supply the new DC
- Back-up data center on a LKA site

Services: 2006 – 2009

- Production of a service description for the DC new build
- Project cost management during the main contractor execution of the new build

2007 – 2009

- Development of a master security plan for LDS
- Development of a security plan for the existing building
- Design and site supervision of security systems (HOAI phases 2 – 9)

2007 – 2009

- Full project design services for the new power supply building (HOAI phases 1 – 4)

2009 – 2010

- Project management in Phases 5 – 9 for the new power supply building (building services design phases 5 – 9 by our subsidiary PKA Karnasch)

2009 – 2010

- Planning for the move to the new DC
- Design services for passive network system and cold aisle containment

2009 – 2010

- Creation of a security plan to comply with TÜViT
- FLB for the back-up in the LKA's new data center building