

Johann Wolfgang Goethe-Universität Frankfurt / Main, Physics Institute

Client: Department of Construction Frankfurt/Main II
Project: Construction of the physics institute
Project Period: 2001 to 2005
Floor Space: 14,480 m²

Scope of Services:

- Heating, ventilation and sanitary technology
- Electrical engineering and conveyor technology
- Building automation
- Laboratory technology
- Work phases 1 to 8 according to HOAI
(fee structure for architects and engineers)

Special Features Building Services:

- Heating on district heating, in-house low temperature net
- Integrated structured transmission network with 4,970 connections in fiber optic and CU-technique for voice and data transmission
- Cooling with recooling via closed cooling towers with spraying, cooling capacity 2 MW
- Cool tower sprinkling on rainwater cistern
- Half open laboratory cooling water system with booster
- Helium recovery unit

Special Features Laboratory Techniques:

- Laser spectroscopy, nuclear physics and X-ray analytical laboratories, SQUID - laboratory (superconductivity)
- Electron microscopy
- Technology / experimental halls
- Accelerator and detector development

