



University Library, Germany

The Mannheim University and also the University Library were founded in 1967 and are resident in the Mannheim Palace, one of the oldest monuments in Mannheim. The lack of accessibility for handicapped people and technical deficits as well as functional deficits led to a fundamental restoration of the business administration library in the south wing of the Mannheim Palace. During the restoration phase the new systems were equipped with DEOS building automation.

For the air-conditioning a ventilation system without static heat areas was installed in all rooms. The energy-saving and highly efficient COBAOPT system (today: OPENdynamics) controls a total of 650 physical data points of the system. For the individual air-conditioning of each room 25 separately controllable zone heating elements were created. Due to a remarkable decrease of flow noises and a strong rejection of air turbulences the

Project details at a glance

DEOS Software

- OPENweb
- OPENdynamics

Products and solutions

- OPENdynamics

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comfort could be increased considerably. In each room the room temperature, -humidity and –quality (CO2) is observed by sensors with the assistance of a differential pressure transducer. All physical and virtual technical control data are recorded in arbitrary time intervals with the DEOS BMS-software OPEN-web. The software also observes the central fault- and alarm management system.

Impressions at a glance

