



Seit 1877

# Kiefer

Luft- und Klimatechnik

Neue Wege mit Luft

## Chilled Ceiling Panel INDUCOOL

### University of Vienna, Austria

On 15 March 2012, the building at Währinger Straße 29 was finally handed over to the University of Vienna by the Bundesimmobiliengesellschaft (the state-owned property company), two years after building work had been started. Once work on the facilities and furniture had been completed, the Faculty of Computer Science and the Institute of Communication and Media Studies were able to move into their new home in the autumn. The new site enables the Faculty of Computer Science, which was previously split across several locations, to be brought together in one single building.



New location of the University of Vienna in the 29<sup>th</sup> Währingerstraße



More air performance and high energy efficiency with thought-out design details

#### Special features

Covering a total area of around 11,000 square metres, the students and teachers are now able to enjoy a modern working environment. The investment amounts to approximately 25 billion euro.

The new building is split over seven upper floors and provides the following facilities: office spaces, work areas and communication zones for the students, three lecture theatres, twelve seminar rooms, six IT rooms and seven IT research labs. The foyer is situated on the ground floor and provides direct access to the student services and advisory rooms and library area via the staircase. In addition to comfort and design, great importance has also been placed on installing an energy-saving air-conditioning system and ensuring comfortable rooms, providing optimum conditions for the students.





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Function Chilled ceiling panel INDUCOOL:

INDUCOOL cools with air and water. Most of the thermal energy is removed quickly and economically by cooling water. High-quality air diffusers ensure a high degree of comfort and optimum air distribution.

### System advantages:

- Greater thermal comfort with low air velocity
- Chilled ceiling panels require only 5-10% of ceiling area
- Reduced energy costs by exploiting the cooling potential of outdoor air
- High cooling capacity, up to 500 W/m
- Integration of cooling panels into all common ceiling systems
- A full-surface cooling-water system is not required



Building:	University of Vienna, Austria
Architects:	NMPB Architects ZT GmbH, Vienna
Proprietor:	Bundesimmobiliengesellschaft (BIG)
Consultant, building services:	ZFG, Baden
Ventilation system component:	Chilled ceiling panel INDUCOOL-Technics I
Scope:	10.600 m <sup>2</sup>
Installation type:	Visible installation, INDUCOOL panels are fully lined on the rear on the air and water sides. Only one air and cooling water connection is required for each strip.
Specific cooling load:	120-180 W/m <sup>2</sup>
Specific air flow:	12-18 m <sup>3</sup> /hm <sup>2</sup>
Opening:	Winter 2012

