



Seit 1877

Kiefer

Luft- und Klimatechnik

Neue Wege mit Luft

INDUCOOL Chilled Ceiling Panels

Effective cooling with greatest comfort and low energy costs

Air-conditioning installations must frequently struggle with the prejudice that they cause draughts. And, if we study the relevant standard, DIN EN ISO 7730, we even find this prejudice reinforced. To achieve the best possible room class A, the standard permits 10% of occupants dissatisfied due to draughts. But there is a better way.

For example the EURO PLAZA Office Park in Vienna, built between 2001 and 2008, has a total of about 130,000 sq.m of floor space for offices and other purposes, and uses 13,000 m² of INDUCOOL chilled ceiling panels. Day after day around 7,000 employees pursue their work here with less than 1% of them dissatisfied with their climatic environment. And this is just one of many reference objects equipped with INDUCOOL.

What is the explanation for this extremely high degree of thermal comfort?

The answer lies in the integrated discharge profile, whose design is substantially based on our INDUL linear diffuser. Through the very high induction ratio beneath the cooling panels, both the low temperature and the discharge velocity of air entering the room are quickly dissipated. The temperature of the supply air as it enters a room can be as much as 14 K below the ambient temperature and still provide draught-free comfort. In summer, the low supply air temperatures result in substantially dehumidified supply air, which makes a significant contribution to a comfortable room climate. Even in the transitional periods, and so for 6,000 to 7,000 hours/year these supply air temperatures are available free-of-charge, and can be exploited to provide free cooling. This, in turn, leads to a substantial saving in operating costs.



Photo © ENGEL AUSTRIA GmbH

Chilled ceiling panel INDUCOOL in the technology centre Engel

Freedom in ceiling design

Due to the high specific cooling capacity of up to 500 W/m², normally just 5-10% of the ceiling surface is sufficient to extract the cooling load and supply the necessary outdoor air. This can be combined with any desired system for the rest of the ceiling area. INDUCOOL offers architects great freedom for ceiling design.

The selected reference objects described below provide an initial overview of the range of designs that can be achieved with INDUCOOL chilled ceiling panels. They range from office buildings, banks and technology centres through hotels and shopping malls to museums and cruise liners.

A high degree of satisfaction due to comfort is worth its weight in gold!



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Photo © Anna Blau

EURO PLAZA Office Park
Proprietor Kapsch Immobilien GmbH
Project developer Strauss & Partner
Architects Neumann + Partner
Planner Scholze Ingenieurgesellschaft

Vienna 130.000 m²
Vienna
Vienna
Vienna
Dresden



Photo © Joi-Design, Hamburg

Hotel Le Royal Méridien
Proprietor Hotel Le Royal Méridien
Interior designer Joi-Design
Planner Ingenieurtechnik mbH epm

Hamburg 250 m²
Hamburg
Hamburg
Essen



Photo © Wilhelm Mierendorf

Pressehaus Stuttgart
Proprietor Pressehaus Stuttgart
Architects Pfeiffer, Ellermann, Preckl
Planner Cocely GmbH

Stuttgart 2.500 m²
Stuttgart
Lüdinghausen
Stuttgart



Photo © Engel Austria

Technology centre Engel
Proprietor Engel Austria GmbH
Architekturbüro Kada
Planner BHM Ingenieure

Schwertberg 6.500 m²
Schwertberg
Graz
Linz



Photo © tegut GmbH

Administration Building tegut Lebensmittel
Proprietor tegut Gutberlet Stiftung & Co.
Architects bda Sturm und Wartzack
Planner Ingenieurbüro für technische
Gebäudeausrüstung

Fulda 2.150 m²
Fulda
Dipperz
Gedern



Barclays Bank PLC
Proprietor Barclays PLC
Architects
Hellmuth, Obata + Kassabaum (HOK)

London 12.000 m²
London
St. Louis, USA



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Photo © Krones AG

Krones AG technology centre
Proprietor Krones AG
Architect Manfred Winkler
Planner Ingenieurbüro Scholz

Neutraubling 11.000 m²
Neutraubling
Wörth
Passau



Klett Shop
Proprietor Klettverlag
Architect Gottfried Beck
Planner Planungsunion

Stuttgart 300 m²
Stuttgart
Stuttgart
Fellbach



Photo © Julius Blum GmbH

Julius Blum GmbH
Plant 7 – Logistics centre
Proprietor Julius Blum GmbH
Planner Klimaplan

Dornbirn 2.000 m²
Dornbirn
Hohenems



Visualisation © K2architektur.at

Office Building Neutorgasse
Proprietor Sparkasse Immobilien AG
Architects Rataplan Architektur ZT GmbH
Planner Immorent AG
Project developer Immorent AG

Vienna 5.900 m²
Vienna
Vienna
Vienna
Vienna



Photo © LBZ

Altes Schloss – alternation exhibition area
Proprietor Staatliches Vermögens-
und Hochbauamt
Planner Krebs Ingenieure

Stuttgart 1.100 m²
Stuttgart
Ditzingen



Jelmoli Sportwelt
Proprietor Jelmoli Holding
Architects Architektur & Design Bächler
Planner PGMM Schweiz AG

Zurich 2.400 m²
Zurich
Zurich
Winterthur



Cruiser Viking Helvetia
Viking River cruises GmbH

Cologne 1.500 m²
Cologne



Visualisation © Joos & Mathys architects

Novartis AG Lampugnani Building
 Proprietor Novartis Pharma AG
 Architect Studio de Architettura Lampugnani
 Architects (Lokal) Joos & Mathys
 Planner Ingenieurbüro Waldhausen

Basel 700 m²
 Basel
 Milan
 Zurich
 Münchenstein



Photo © Telekom Austria Group

Telekom Austria
 Proprietor Telekom Austria
 Architect team Soyka Silber Soyka
 Planner TB ZFG-Projekt GmbH

Vienna 1.550 m²
 Vienna
 Vienna
 Baden



Visualisation © vigplaza.rs

VIG Plaza
 Proprietor Wiener Städtische
 Architects Neumann + Partner
 Planner Termo Technik

Belgrade 16.000 m²
 Vienna
 Vienna
 Belgrade



Photo © Strauss + Partner

Office Building LX2 Laxenburgerstraße
 Proprietor S&P Immobilienentwicklung mbH
 Architects Neumann + Partner
 Project developer Strauss + Partner

Vienna 17.500 m²
 Vienna
 Vienna
 Vienna

