



Seit 1877

**Kiefer**

Luft- und Klimatechnik

Neue Wege mit Luft

# Ceiling Fan Coil System INDULVENT ec

## New Construction Customer Centre Savings Bank Bayreuth



Photo © Gerhard Hagen

Perfectly integrated solutions – even when space conditions are difficult. The INDULVENT ec was professionally installed in the ceiling thanks to close collaboration between all parties involved in the project.

With its newly constructed customer centre on Luitpoldplatz in the heart of the city, Sparkasse Bayreuth demonstrates its commitment to sustainable solutions. The new building blends perfectly into the cityscape, with its gross floor area of 6070 square metres and 22,690 cubic metres of interior space, dressed in an elegant, yet understated, sandstone exterior. The ventilated sandstone façade is thermally insulated with mineral wool, as an energy efficiency measure.

**Indeed, everything about the new Sparkasse building has been designed with sustainability in mind and has been engineered and constructed according to the latest energy standards.**

To be able to deliver prompt and personal customer service, together with expert consultations, is very important to the company. Around 200 members of staff will look after more than 60,000 customers. The aim was to create a modern and comfortable working environment that offered an additional "feel good" factor. Powerful and reliable air conditioning equipment that could be seamlessly integrated into the overall architectural concept was therefore essential.

### The technological challenge

Integrating the ceiling fan coil units into the "Danoline Contur" (with mounting rails concealed by ceiling panels) and "Belgravia" grid ceiling systems resulted in a visually appealing solution that also met the client's hygiene requirements. A front panel, that can be opened without tools, was integrated flush with the ceiling system and with uniform gaps.

This necessitated modifications to front panel dimensions, edges and fastenings to the unit box; a three-dimensional adjustment of the opening mechanism with regard to lift and opening angle; specific alignment of each unit with the air and water connections to the mounting rails; and the determination of a visually identical opening direction of the front panels. In some cases, the air connections on the units had to be relocated due to space restrictions. Trade partners, architects, design engineers, installers and Kiefer worked closely together to achieve a professional outcome.





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The new customer centre clearly demonstrates that exacting technical requirements can be met without detracting from an attractive interior design scheme.

### Function

A decentralised fan coil system offers high flexibility, as the room where it is installed can be used for different purposes. INDULVENT ec combines the high cooling capacity of a fan coil system with the comfortable ambient air flow of a highly inductive ceiling air diffuser.

INDULVENT ec is suitable for almost all applications where high cooling loads need to be transferred and a comfortable indoor environment is a priority. The reference projects shown range from typical offices and conference rooms, to halls, hospitals, workshops and laboratories, and on to control centres and control rooms. INDULVENT ec is equally suitable for both new and renovated buildings.

### System Advantages

- Ambient air distribution with cooling capacity up to 2600 W
- Low sound power level
- Only electrical, cooling water and condensate connection required
- Energy-saving EC technology
- Stepless power regulation
- Integrated condensate pump

### Technical Data

Object:	New Construction Customer Centre Savings Bank Bayreuth, Luitpoldplatz
Proprietor:	Savings Bank Bayreuth
Planner:	BAURCONSULT, Haßfurt
Architect:	BAURCONSULT Architekten + Ingenieure, Haßfurt
Product:	Ceiling Fan Coil System INDULVENT ec
Special feature:	Combination Ceiling Fan Coil System INDULVENT ec with Induction Cooling System INDULCLIP-DIK