



Betonkerntemperierung mit Luft



Seit 1877

Kiefer

Luft- und Klimatechnik

Neue Wege mit Luft

Holzhafen West, Hafencity Hamburg

Urban future

As a twin building to the award-winning "Holzhafen Ost" and in direct neighbourhood to the spectacular "Kristall" residential building – two interconnected glass towers with a view of the river Elbe, the "Holzhafen West" completes the ensemble at Hamburg's oldest dock. The three building wings modelled on Hanseatic warehouses are grouped around extensive patio courtyards providing maximum view of the river Elbe. Tall windows and full-surface glazing create rooms flooded with light. Thermal construction part activation with best possible ventilation function, sun shading glazing and lamella glare protection provide a comfortable ambient climate even in summer.



Photo © B+L Gruppe

The sophisticated new buildings at Holzhafen turned a deserted industrial area into urban waterfront architecture, combining classic Hanseatic counting house tradition with modern office architecture.

Function CONCRETCOOL:

In contrast to conventional systems, in which supply air is fed directly into the working areas, the air first flows through aluminium cooling tubes cast into the ceilings. Thereby the supply air cools the ceiling. At the same time the gain of heat is used to warm up the supply air.

System advantages

- Optimum thermal comfort
- Additional ceiling cooling with water is not required
- Free cooling provides energy savings of up to 50%
- Full flexibility due to modular positioning of cooling tubes
- Cooling with outdoor air – no air circulation required
- Construction costs reduced due to low floor height

Building:	Holzhafen West, Hamburg Hafencity
Proprietor:	B + L Gruppe, Hamburg
Architect:	Astoc Architects & Planners, Köln
General Contractor:	Alpine Bau Deutschland AG, Hamburg ARGE Holzhafen, Hamburg
Consultant:	Ingenieurbüro Fl. B., Berlin Ingenieurbüro Scheer, Berlin
Aerea:	10.700 m² konditionierte Fläche
System:	Betonkerntemperierung mit Luft CONCRETCOOL
Flexible area: concept	for large and small room solutions
Completion:	Spring 2011

