

Image 01: Exterior view ©Kurt Hörbst		Image 02: Interior view ©Kurt Hörbst	Image 03: Interior view ©Kurt Hörbst
Building Specifications			
Address	Logistikpark 1, 4063 Hörsching, Austria		
Building Category	Other		
Year of Construction	2013		
Special Qualities	Passive house		
Location	48° northern latitude, 14° eastern longitude, 294 m above sea level		
Climate	Cfb (warm temperate, fully humid, warm summer) (monthly mean temperature below 19 °C, at least five months with a monthly mean temperature above 10 °C)		
Vent. Cooling Site Desig	<b>n Elements</b> (Sola	r Site Design and Wind Exposure Design,	Evaporative Effects from Plants or Water)
		o circle the building, no supporting s vere planted about 30m away for ec	ite design for Ventilative Cooling was possible cological reasons.
Vent. Cooling Architect	ural Design Elem	ents (Form, Morphology, Envelope, Con	struction&Material)
have to stay between Morphology: During temperature, Ventila ventilation is control	n 14 and 18 degro summer time, wl tive Cooling is in led by the centra	ees at all times (to keep the stored p nen the outer temperature is more t troduced by automatically opening f lised building automation.	
Vent. Cooling Technical	Components (Ai	rflow Guiding Components, Airflow Enha	ncing Components, Passive Cooling Components)
As long as this passiv	e cooling strateg		ntilation. The air is precooled by ground water the inner temperature, it is the sole cooling
Actuators, Sensors and	Control Strategi	25	
important. Rain and sensors and the oute	wind sensors ens r shading by sola	ure the safe operation of Ventilative r sensors.	ndoors. Temperature and humidity are very e Cooling. Indoor light is regulated by presence ation according to temperature and pre-set

## IEA EBC Annex 62 Ventilative Cooling

## Building Energy Systems (Heating, Ventilation, Cooling, Electricity)

Heating: Ground-water system with heat pump

Cooling: Ground-water system with heat pump, with free cooling.

Ventilation: System with heat and humidity recovery. Low velocity inlets of the air at ground floor level. Electricity: LED Lighting

## Building Ownership and Building Facility Management Structures

Building Owner: Schachinger Logistik

Facility Management: inhouse

Architect: Poppe Prehal, Housing Technologies: TB Freudenthaler GmbH

Aknowledgements

Staatspreis für Architektur und Nachhaltigkeit

Holzbaupreis Niederösterreich 2014

Confare Blue and Green Building Award

GreenBuilding Award

Datasheet Source:

http://www.nextroom.at

Institute of Building Research & Innovation

© 2/2 All images and copyrights belong to the original owners and are reproduced for the purpose of training and education only