

Object name

**Apple Orchard - St. Andrä am Zicksee****Austria**

Object photo



Object description

Nowadays the true indulgence of food forms the centre of high life quality. Treating ourselves well and still staying flexible. Embedding nature in our lives - simply and uncomplicated - sets the trend for the 21st century. The buzzwords sustainable usage of regional resources and ecological awareness are no strangers to humans anymore. We already notice climate change in our own personal lives.

This is where the Fruit Orchard steps in to offer regional and healthy whole food products as well as "healthy services" to its geographical market including residents and tourists.

Benefits for costumers: freshly harvested fruit can be obtained directly from the farmer nearly every day.

Both functions – storage and sales space including administration – are conducted as two simple - slightly interlaced – cubes. By closing down the corner spaces the building appears as one entity. The buildings appearance is accentuated by doors and openings that define its inside and outside space.

The clarity and simplicity that is reflected in the floor plans of this low-budget project will also be seen in the use of materials which will be simple but conducted carefully.

Both functional zones are clearly energetically detached: The storage space is unheated, the sales and administration area is conducted as passive house standard within the criteria of the Passivhausinstituts Darmstadt.



Visualisation: Architects Collective ZT-GmbH / Wien / Mathias Lang

Fact sheet

**Trade and commerce building**  
in 7161 / St.Andrä Zicksee

Treated Floor Area	450 m <sup>2</sup>
Number of apartments	---
Completion date	2009

**Energy standard [PHPP]**

Heat requirement / year	16,00 kWh/m <sup>2</sup> a
Heat load	12,3 W/m <sup>2</sup>
Primary energy requ.	--- kWh/m <sup>2</sup> a
Air-tightness (n <sub>50</sub> -value)	0,26 1/h
Building type	Wood construction

**U-value**

Exterior wall	0,10 W/m <sup>2</sup> K
Roof	0,10 W/m <sup>2</sup> K
Basement floor /	0,11 W/m <sup>2</sup> K
Floor slab	
Windows / average	0,75 W/m <sup>2</sup> K

**Specification ventilation system**

Central system

**Heating installation**

Compact aggregate

Construction costs ---- Euro/m<sup>2</sup>

**Building owner**

Obstbau Fam. Leeb  
[www.allesapfel.at](http://www.allesapfel.at)

**Architect/Planner**

Architects Collective ZT-GmbH / Wien  
[www.ac.co.at](http://www.ac.co.at)

**Photo credits**

Mathias Lang