

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 ²
Number of apartments	---
Completion date	2009

Energy standard [PHPP]

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

U-value

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

Specification ventilation system

Central system

Heating installation

Compact aggregate

Construction costs ---- Euro/m²

Building owner

Obstbau Fam. Leeb
www.allesapfel.at

Architect/Planner

Architects Collective ZT-GmbH / Wien
www.ac.co.at

Photo credits

Mathias Lang