

Object name

## Apartment house Casa Nova



Germany

Object photo



Object description

The Solitaire is built within an urban settlement and is ostentatiously designed in a cubic form. There are two flats per floor. The building achieves passive house standard and was certified: "Quality Approved Passive House, Dr. Wolfgang Feist".

This project, built 2001, is one of the role models to the energy efficient standard 'passive house'.

Fact sheet

Apartment house in 89077 / Ulm

Treated Floor Area	870 m <sup>2</sup>
Number of apartments	10
Completion date	2001

### Energy standard [PHPP]

Heat requirement / year	15 kWh/m <sup>2</sup> a
Heat load	-- W/m <sup>2</sup>
Primary energy requ.	112 kWh/m <sup>2</sup> a
Air-tightness (n <sub>50</sub> -value)	0,21 1/h
Building type	massive construction

### U-value

Exterior wall	0,14 W/m <sup>2</sup> K
Roof	-- W/m <sup>2</sup> K
Basement floor /	0,12 W/m <sup>2</sup> K
Floor slab	
Windows / average	0,8 W/m <sup>2</sup> K

### Specification ventilation system

Specific modular system

### Heating installation

District heating

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

### Building owner

Casa Nova GmbH

### Architect/Planner

Casa Nova GmbH

### Photo credits

Casa Nova