International Passive House Open Days
10-12 November 2023

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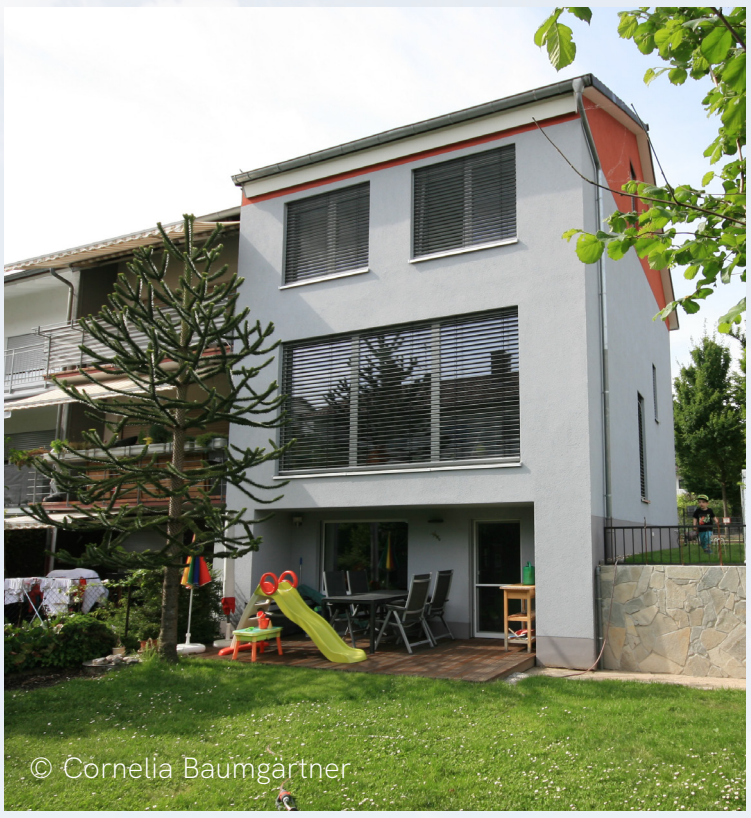
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EnerPHit in Laudenbach

The building is a terraced house built in 1971. During the renovation, extensive measures were taken to thermally upgrade the building envelope. The balconies on the south side were integrated into the thermal envelope to create a compact building.

Parties involved: Energieplanerteam

Year of construction: 2014

Construction type: Masonry construction

Building type: Terraced house

Treated Floor Area (m^2): 171 m^2

Climate: Cool, temperate

Airtightness: n_{50} = 0.8/h

Annual heating demand kWh /(m^2a): 18 kWh /(m^2a)

Heating load W/m^2: 14W/m^2

PE demand (non-renewable Primary Energy) in kWh/(m^2a): 83 kWh /(m^2a)

Renewable energy generation in kWh/(m^2a):

Final energy consumption for:

Electricity in kWh/(m^2a): 2400 kWh/a

Other in kWh/(m^2a): (Oil, gas, district heating, …please specify) 8000 kWh/a (Gas)

Remarkable features:

Since summer 2022, a sensor has been measuring the temperature and humidity in the area of the original wall interior surface under the interior insulation. In February 2023, an air conditioner with an output of 4 kW was installed, and since October 2023, the house has had a PV system with an output of 6.1 kWp, without storage.

#iPHopendays

20 years #iPHopendays

Photo: Jacques Ferrier Architecture, Metropole Rouen Normandie

International PASSIVE HOUSE Association iPHA

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