



NZEB-„solution set“

by ABG FRANKFURT HOLDING in Frankfurt, Germany

– the „Frankfurter Klimaschutzhaus“



„Frankfurter Klimaschutzhaus“ of ABG FRANKFURT HOLDING, in Frankfurt/M.

With more than 51,000 residential units, the ABG FRANKFURT HOLDING offers living space for nearly one quarter of Frankfurt's residents and additionally 30,000 flats for rent. ABG is committed to modern and energy-efficient equipment of the apartments. Additionally ABG is developing and managing building projects with private partners with its affiliated companies.

The ABG has the "know-how" to accompany the whole life cycle of a property - starting with the development and project management over to planning and construction management to the operation and subsequent refurbishments.

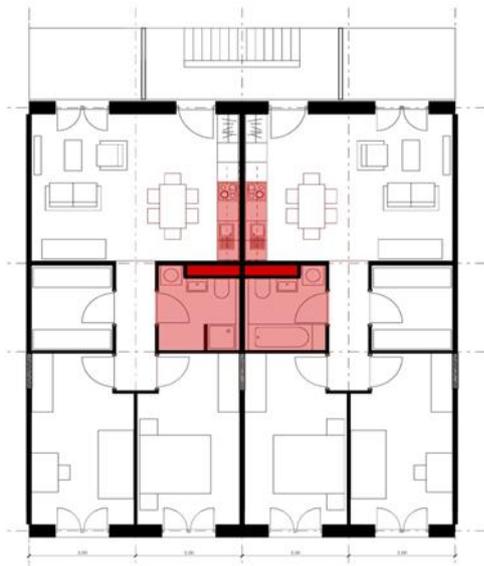
ABG has built nearly 3.000 dwellings fulfilling the passivhouse-standard. In the year 2015 ABG has realized the "Aktiv-Stadthaus" in Frankfurt, one of the biggest energyplus-multifamily-buildings with 74 dwellings.

As a partner in the EU CoNZEBS-project ABG FRANKFURT HOLDING has now developed in cooperation with schneider+schumacher (Frankfurt/M.) a NZEB-solution that is cost-efficient as well as energy-efficient. The name of the concept is “Frankfurter Klimaschutzhaus”. During planning and construction, all options were carefully considered in order to save energy and costs.

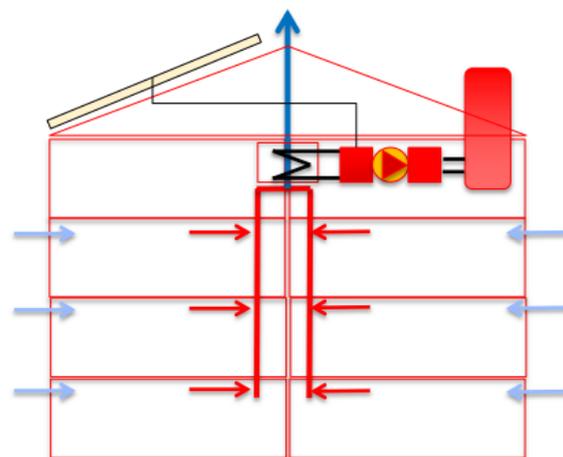
The first “Frankfurter Klimaschutzhaus” will be finished in 2018 in Frankfurt-Oberrad. The demonstration object consists of 46 dwellings. It meets the NZEB energy standard and thus leads to low additional costs for the tenants.

Following aspects were implemented:

- Staircases on the outside (no heating and no thermal bridges)
- no cellar rooms but storage rooms in residential units
- simple static system (bulkhead design)
- pipes partly behind baseboards
- compact building technology
- Attic as a technical center
- Heat recovery for heating and hot water (heat from exhaust air)
- Heat recovery can also be used in summer
- Heatpump operated with photovoltaic
- Fresh water stations (low system temperatures and high drinking water hygiene)
- Facade ventilation instead of ventilation system
- tenants benefit from electricity from the roof (PV)



ABG FRANKFURT HOLDING and schneider+schumacher



EGS-plan GmbH, Stuttgart (simplified energy concept)

Sitetour on May 15th, 2018:

On May 15th, 2018, a sitetour to the ABG FRANKFURT HOLDING demonstration object "Frankfurter Klimaschutzhaus" and also "CoNZEBS solution set" was held for the public. The interest was very high. Approximately 80 people (politicians, professors, students, architects, planners, housing companies and others) took part.

Mr Frank Junker, CEO of ABG FRANKFURT HOLDING, introduced the building to the public, the press and radio-stations at the beginning.

The object was explained at three stations. In the yard, Mr Elmar Lorey, schneider+schumacher, explained general information about the architecture, the model apartment was presented by Mrs Julia Bergmann, schneider+schumacher, and the energy concept were explained by Mr. Herbert Kratzel, ABG FRANKFURT HOLDING. Mr Junker also announced that a repetition was already in the planning stage.



Frank Junker, CEO of ABG FRANKFURT HOLDING explains the "Frankfurter Klimaschutzhaus", sitetour on May 15th, 2018, ABG FRANKFURT HOLDING