



"Energy Transition in the Dwelling Stock"

The End of Oil and Gas Floor Heating Systems in non-profit housing



non-for-profit housing association - www.sozialbau.at

- 110,000 inhabitants (about 7% of Vienna)
- 53,000 flats
- 840 housing complexes
- 70 ha green space
- 3,800 communal facilities
- average net rent 5 € / m² / month
- around 200 employees

and

..... **13,000 with gas** and around **5,000** of these with individual gas floor heaters



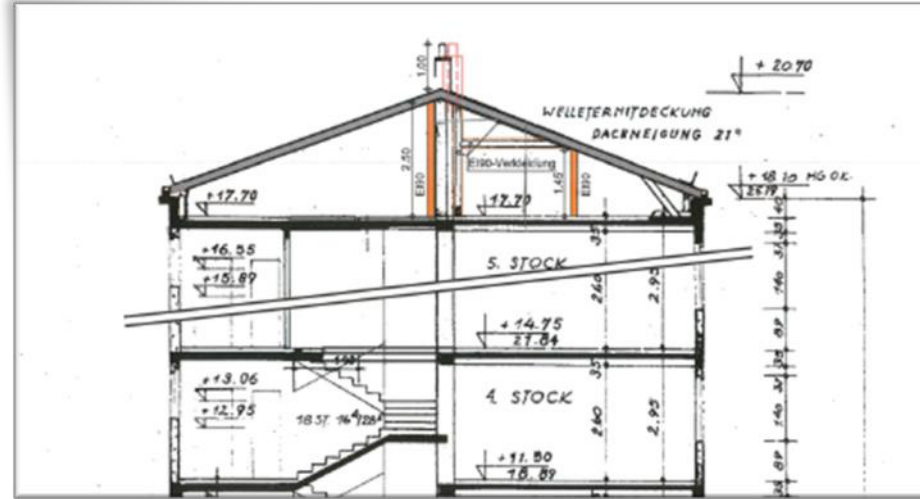
Pilot project Vienna 2. Miesbachgasse 10

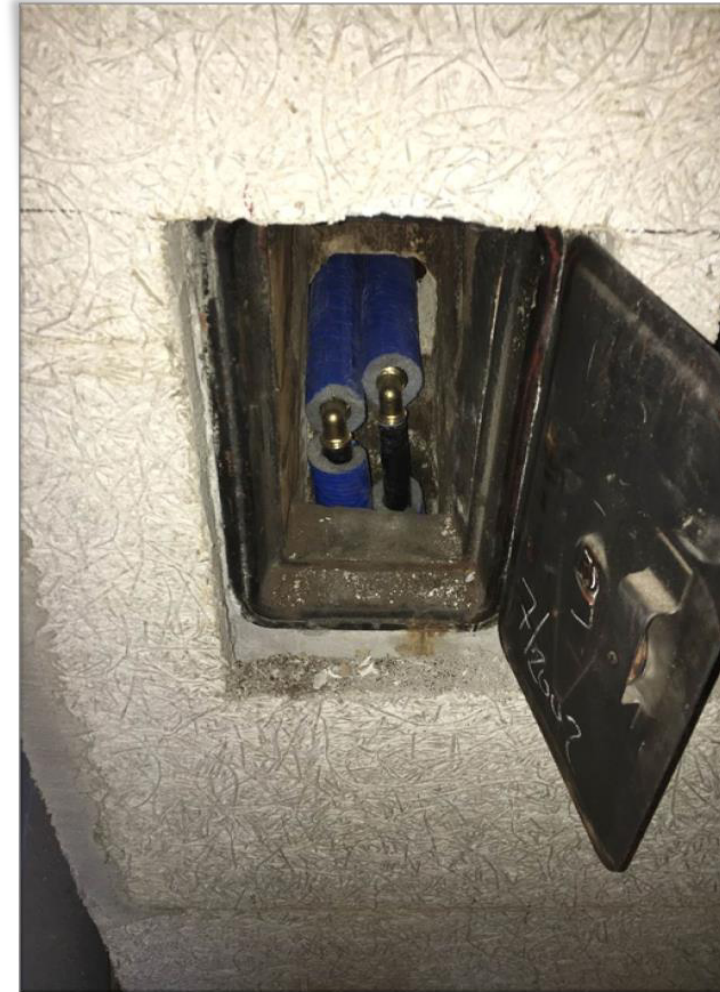
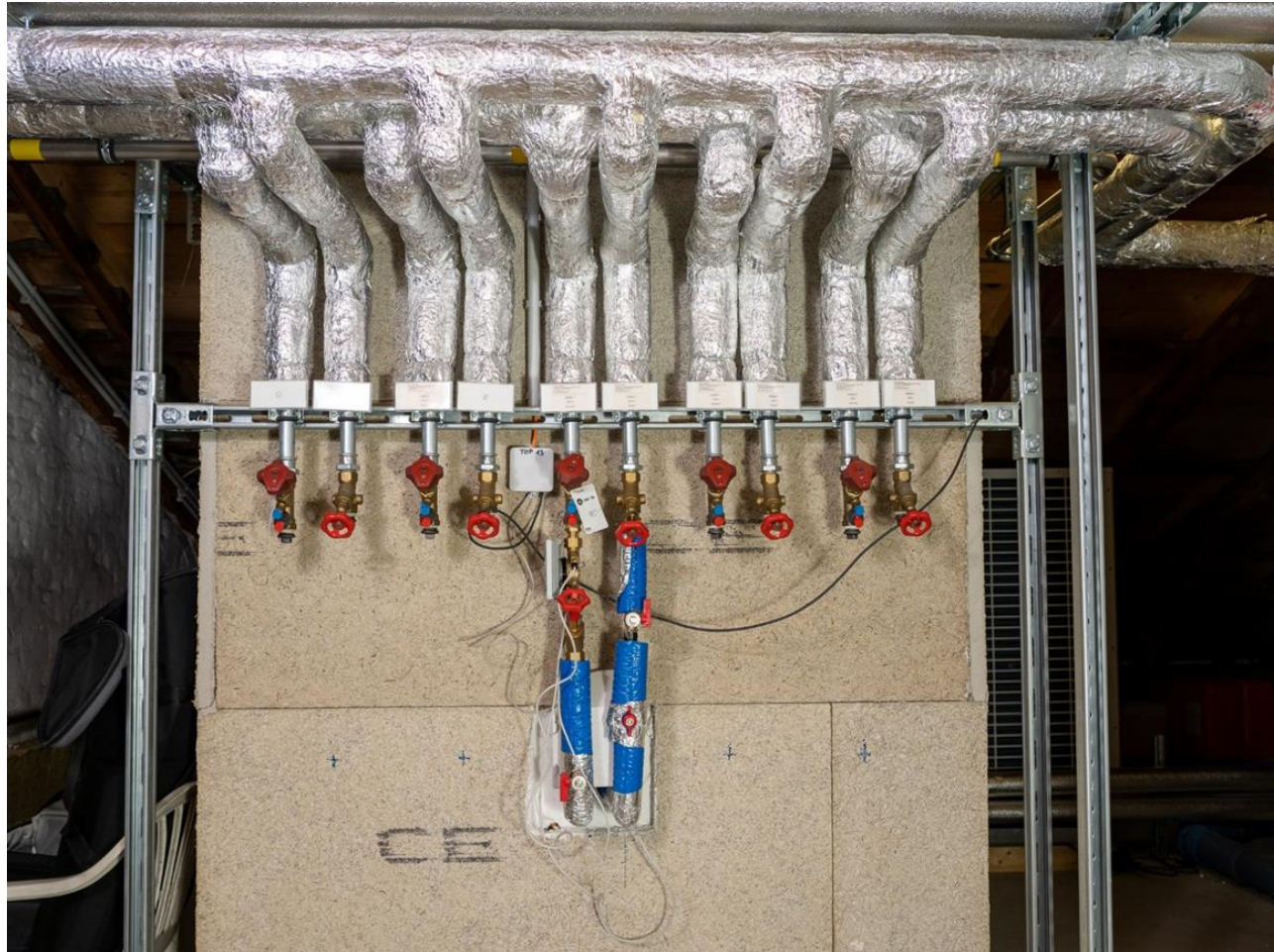
***CENTRALISATION OF INDIVIDUAL HEATING
SYSTEMS (GAS BOILERS)***



- Year of manufacture 1966
- 21 flats
- Full thermal insulation facade
- Windows renewed
- Basement ceilings and
- Attic insulation

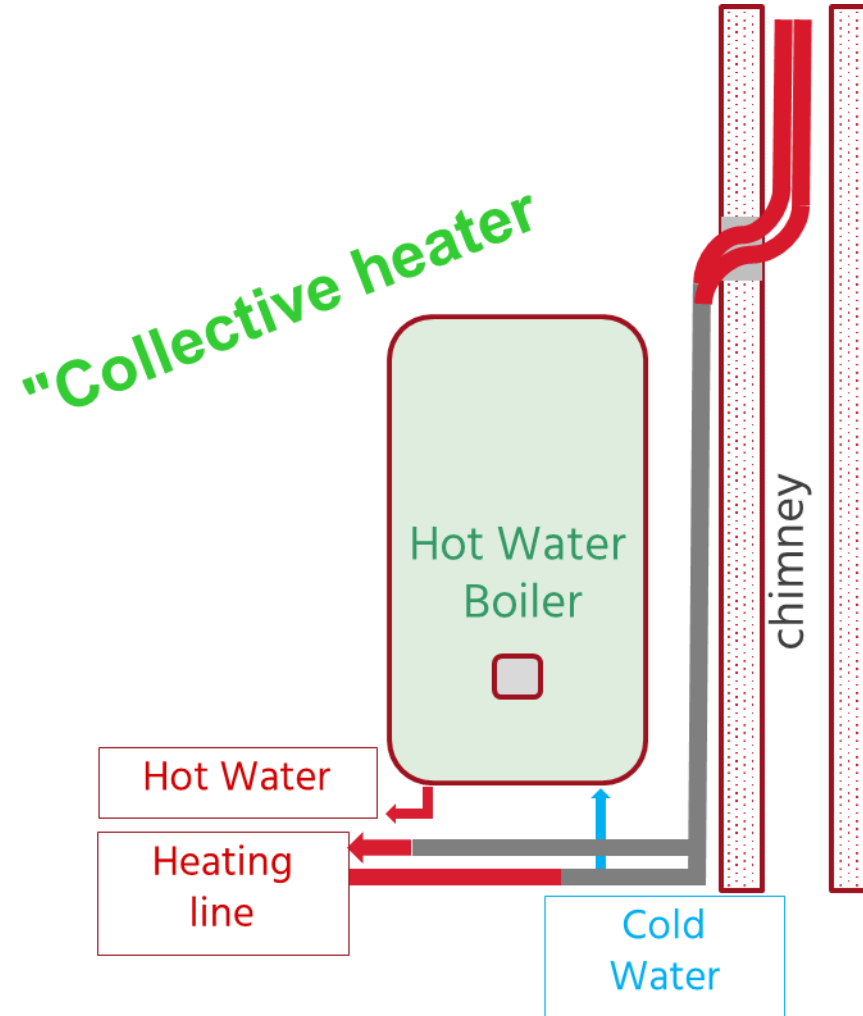
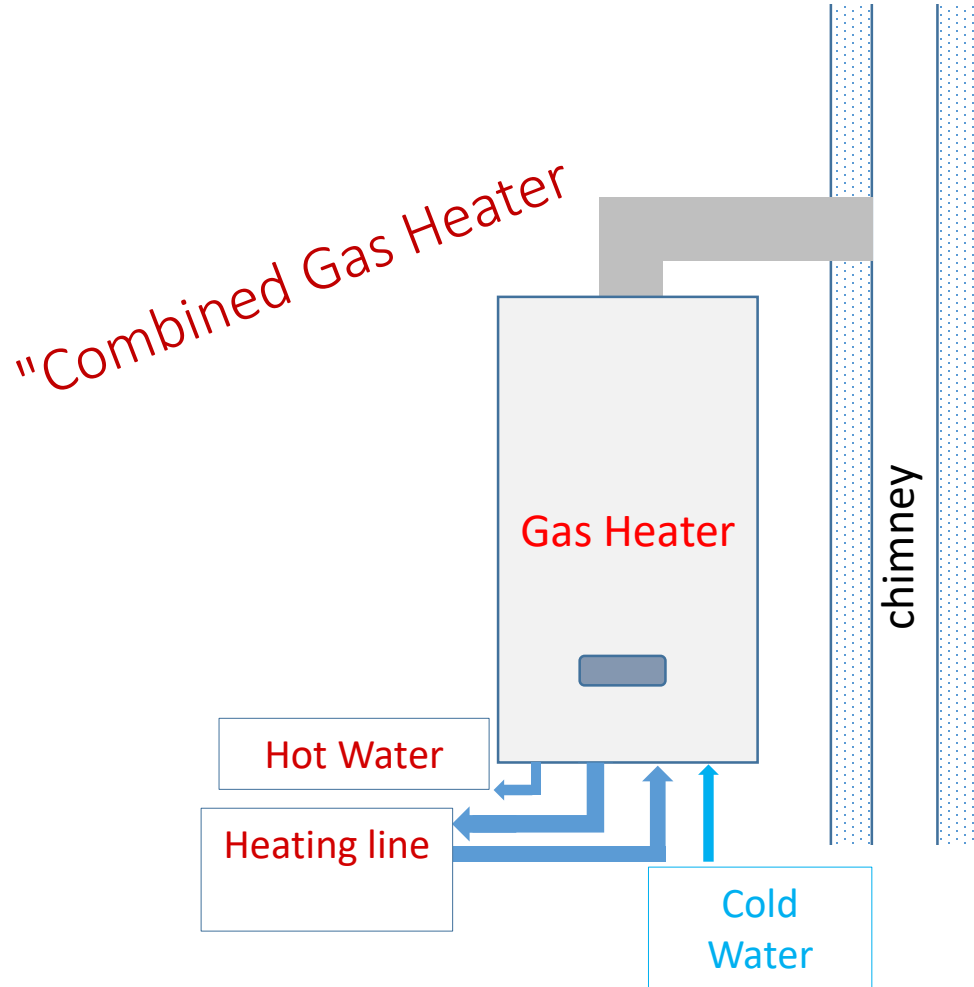








In the dwelling:



2 and 3 November 2023
Progress by Innovation
#IVECForum23



Performance area:

- Construction of the "boiler house" and the necessary permits, etc.
- Construction of the horizontal distribution line
- Installation of the flat connection pipes (via chimney)
- Dismantling of gas boiler + installation of Electric-boiler (80 litres)

Costs between € 3,000 and € 4,900 / flat



Our "community boiler" is being built - in the sense of a community facility.

The **construction costs**
will be financed from the house's reserves

The **heating costs,**
are charged directly to the tenant.



The Future.....

- Cityscape design
- Atmosphere is additionally heated
- Power consumption
- noise level increases



Our internal objective:

- At least 2° C room temperature reduction
- Heat extracted must not go - unused into the atmosphere!





Façade heating/cooling

- without existing insulation:
approx. € 3,600/Flat
- with existing insulation:
approx. € 5,200/Flat



Thank you for your attention !

SOZIALBAU AG



gemeinsam
energie

