

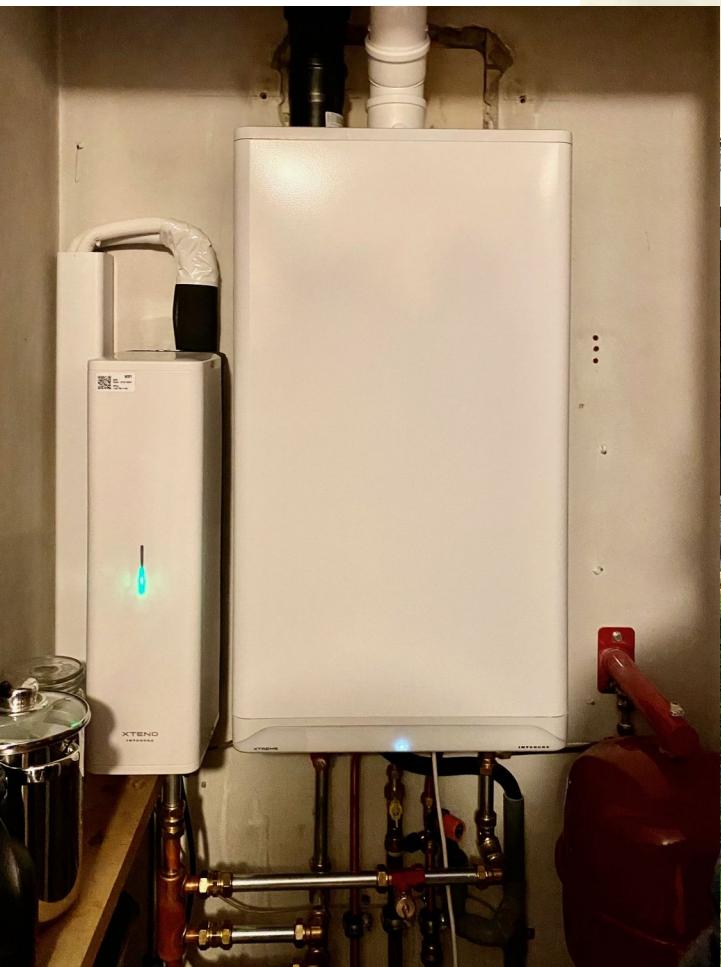


Demonstratie- project Hybride warmtepompen

in de gebouwde omgeving

Meten = Weten







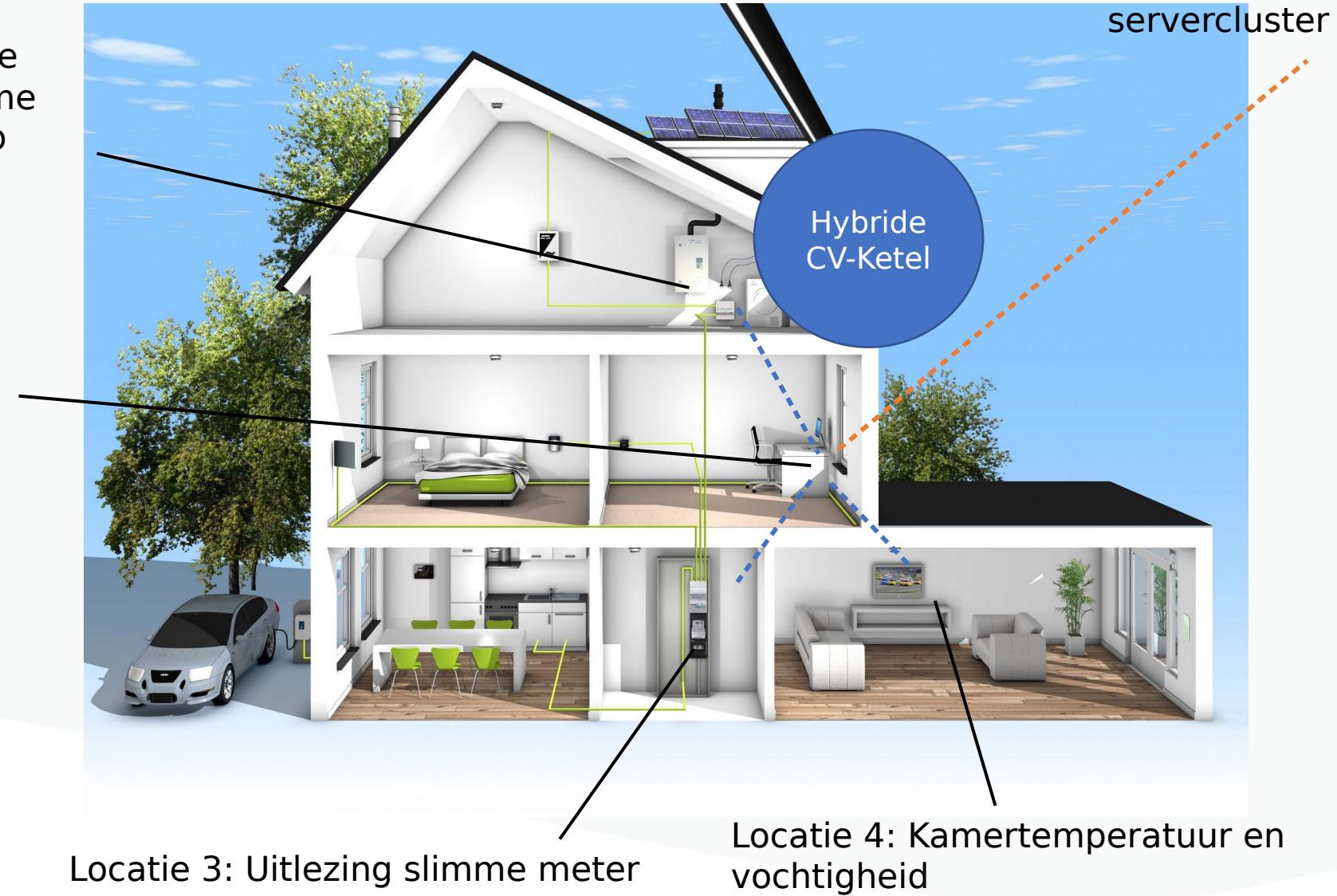
Locaties meetapparatuur en data

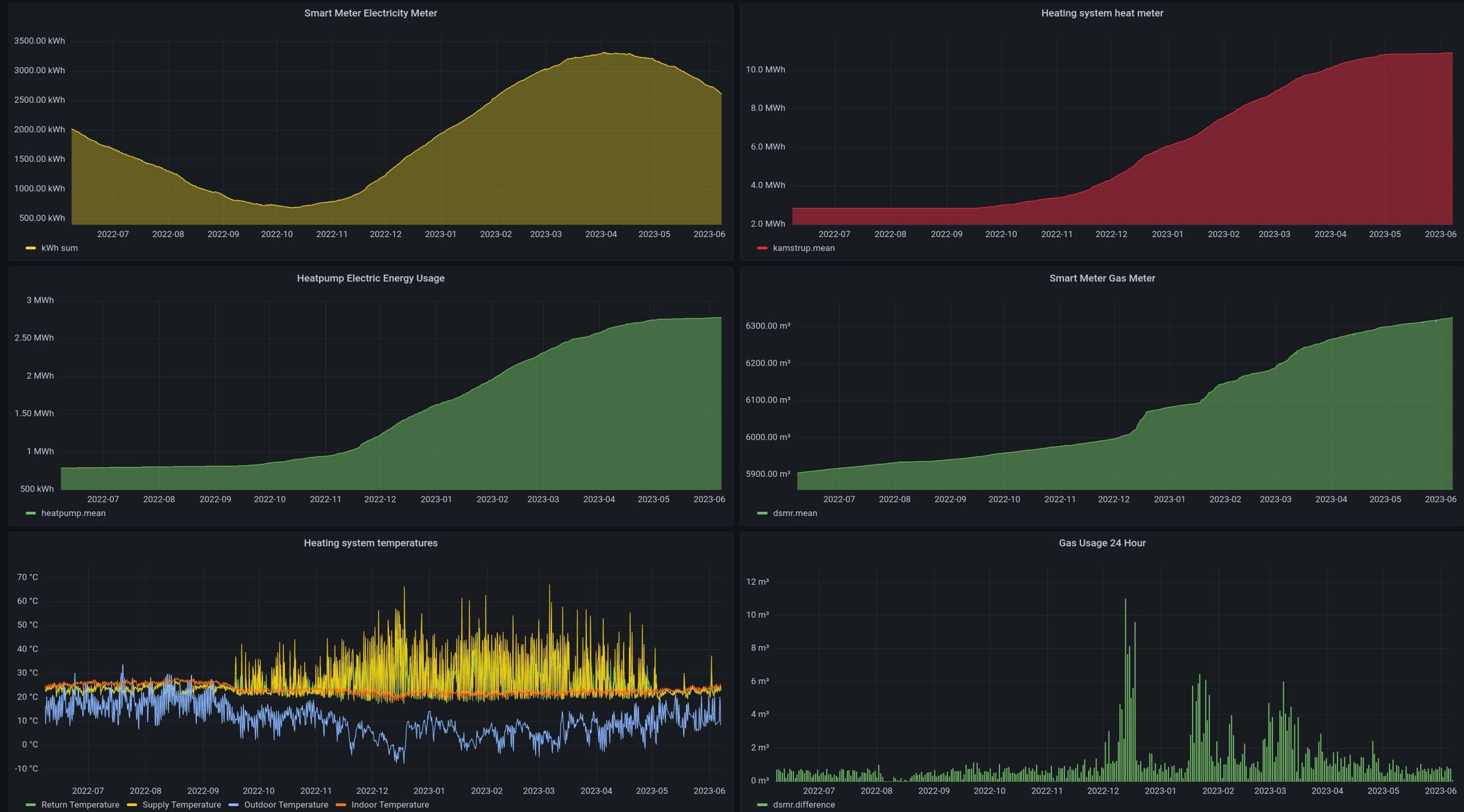
Locatie 1: Meting energie-opname verwarming en elektrische opname HR ketel en hybride warmtepomp

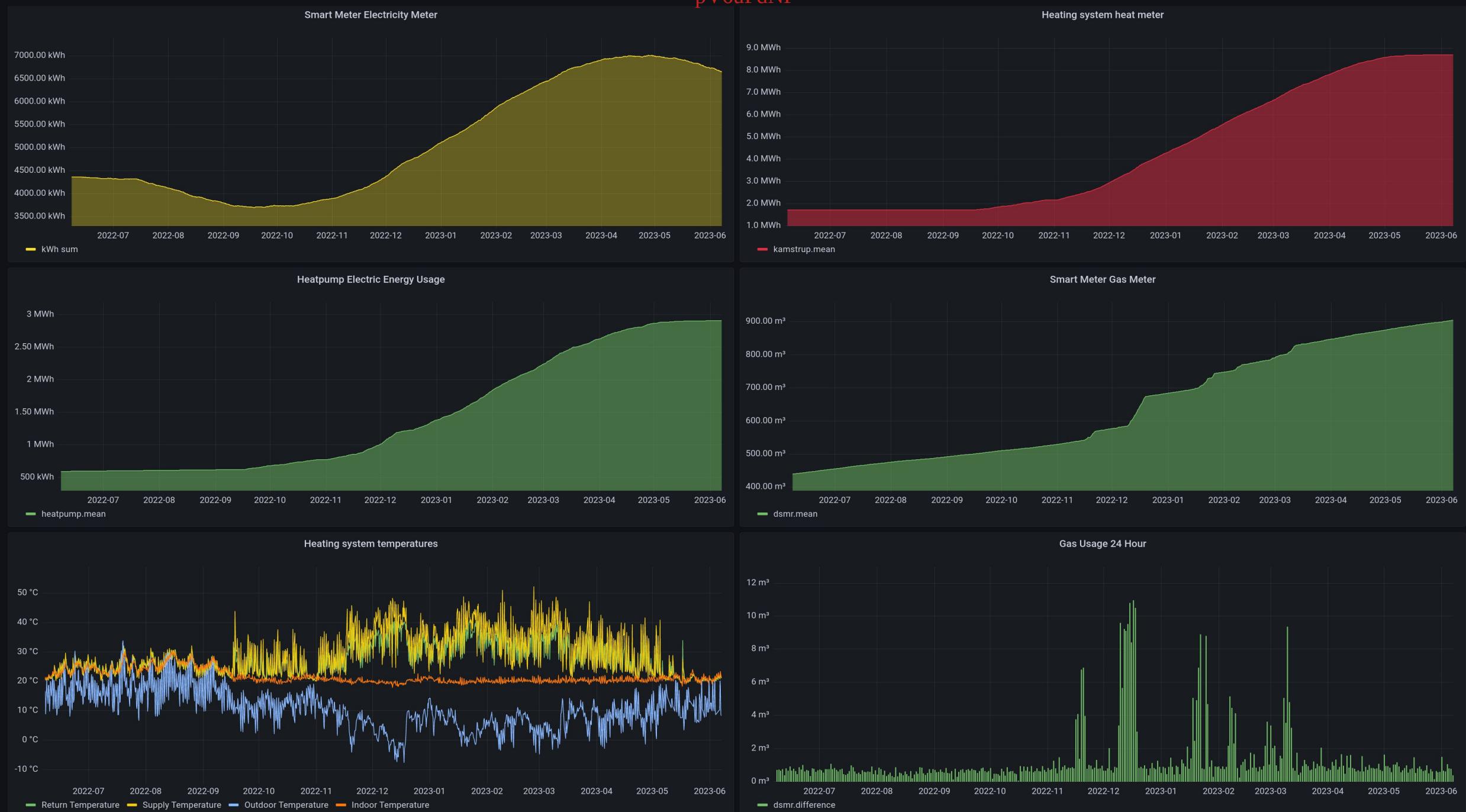
Locatie 2: MiFi router

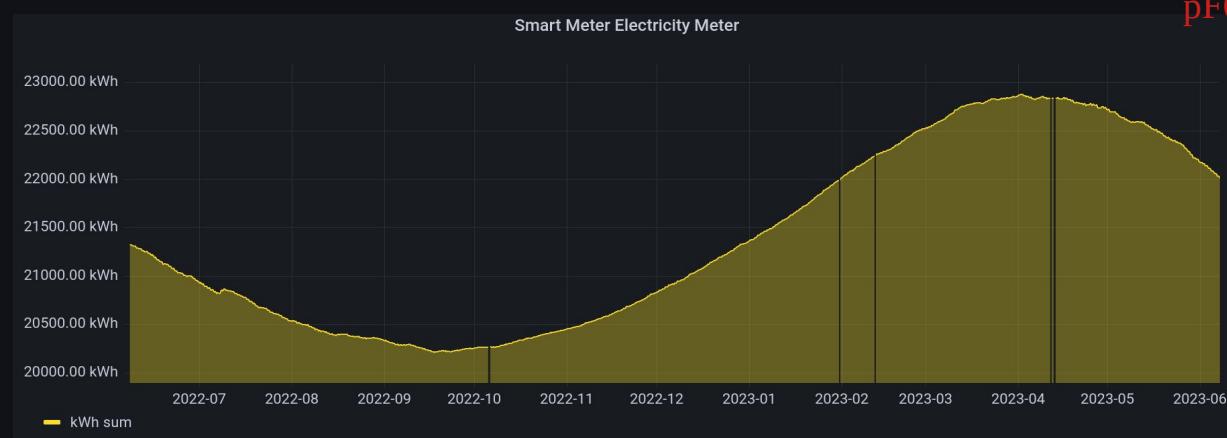
LTE 4G

WiFi 2.4Ghz

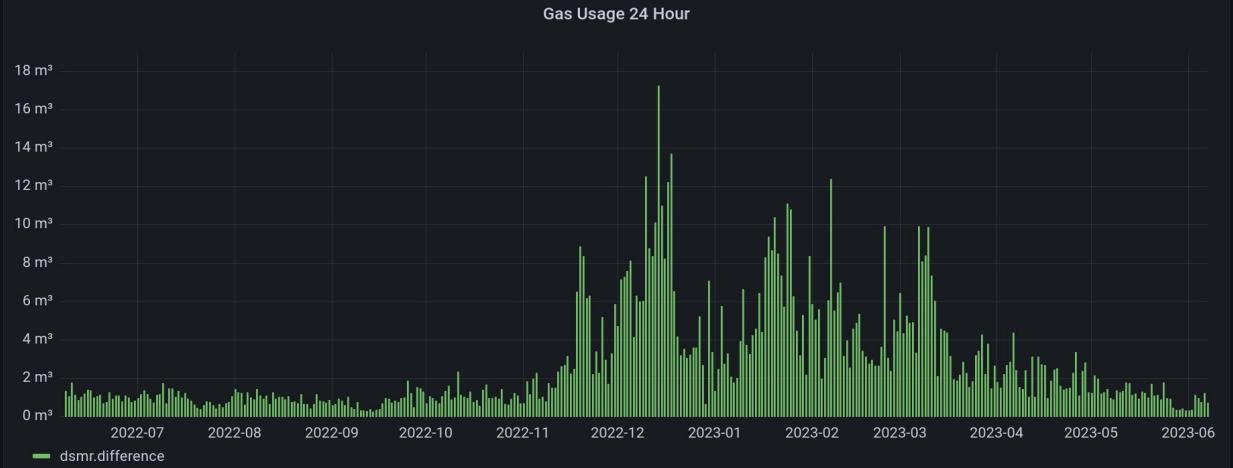
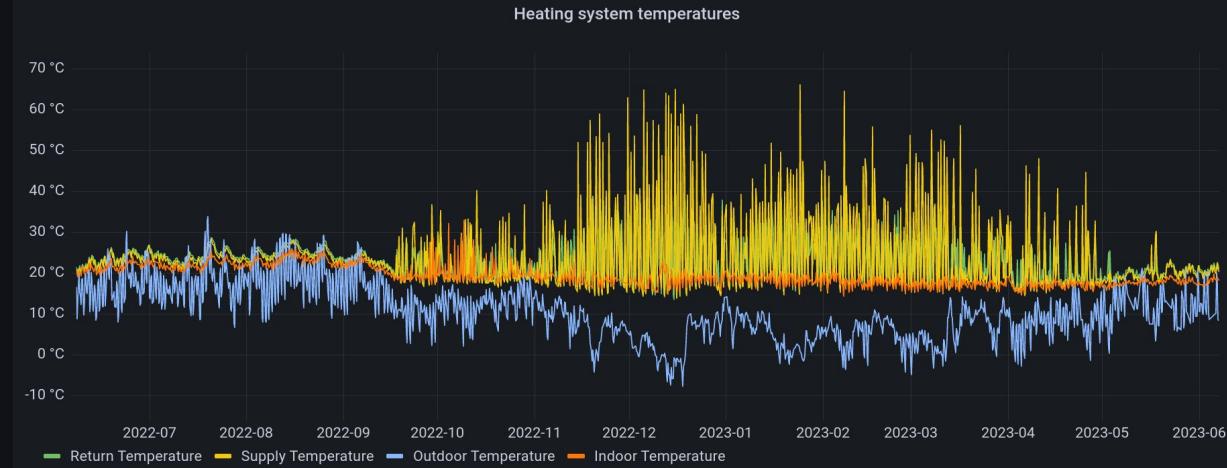
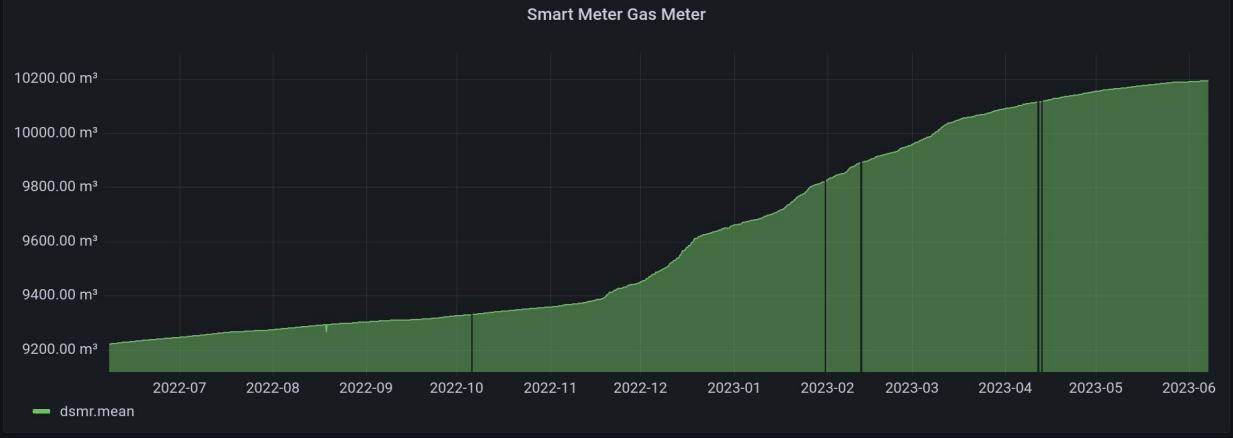
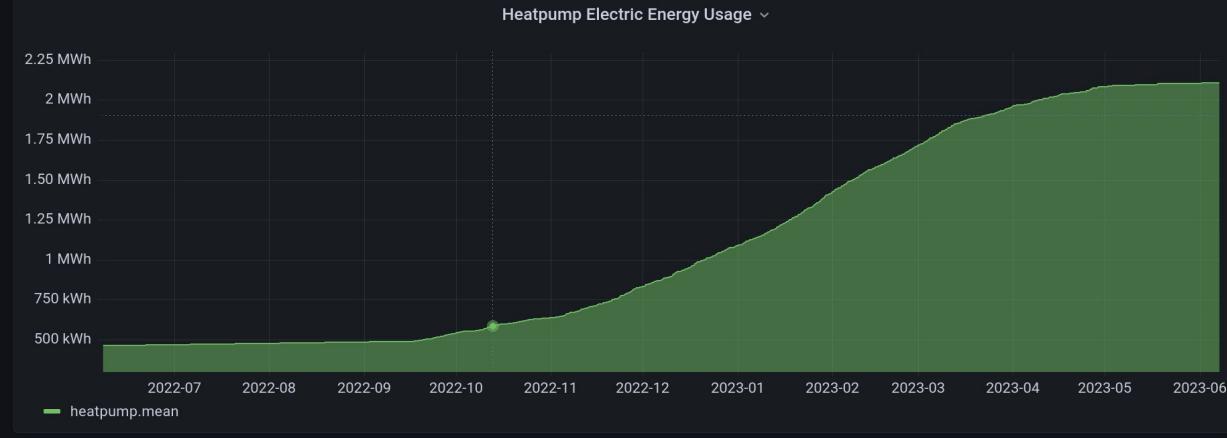
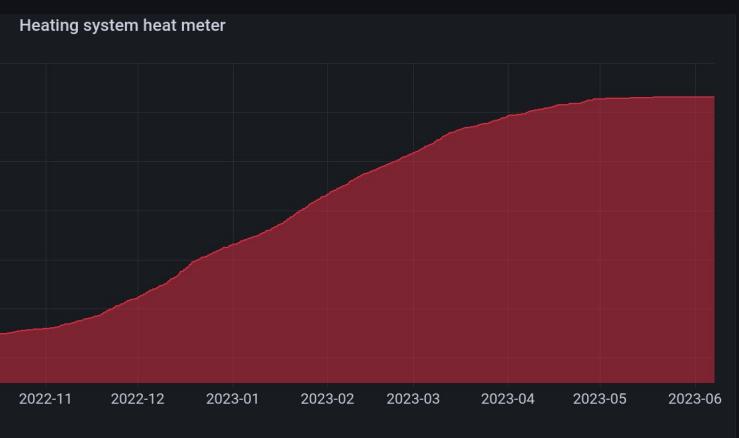


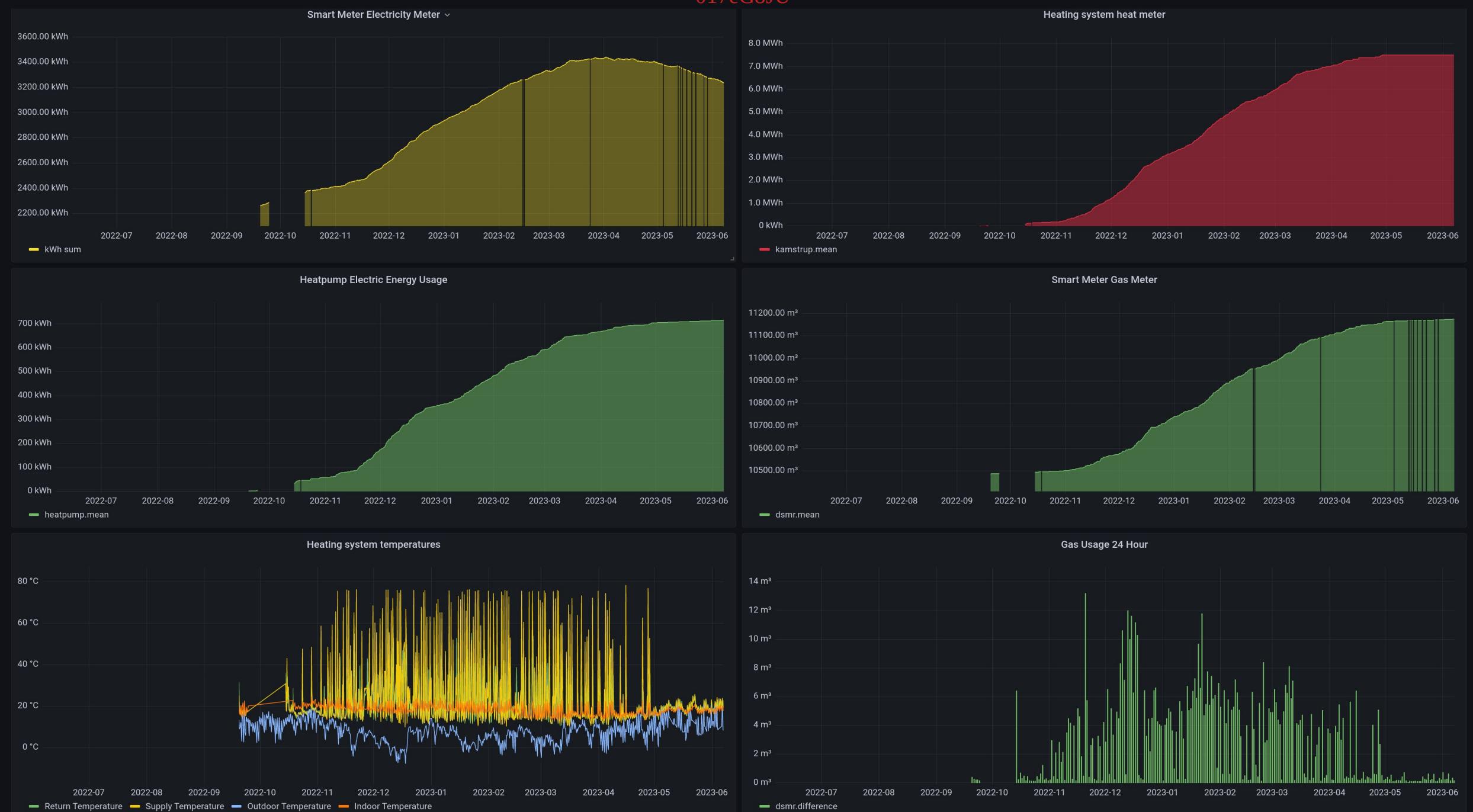






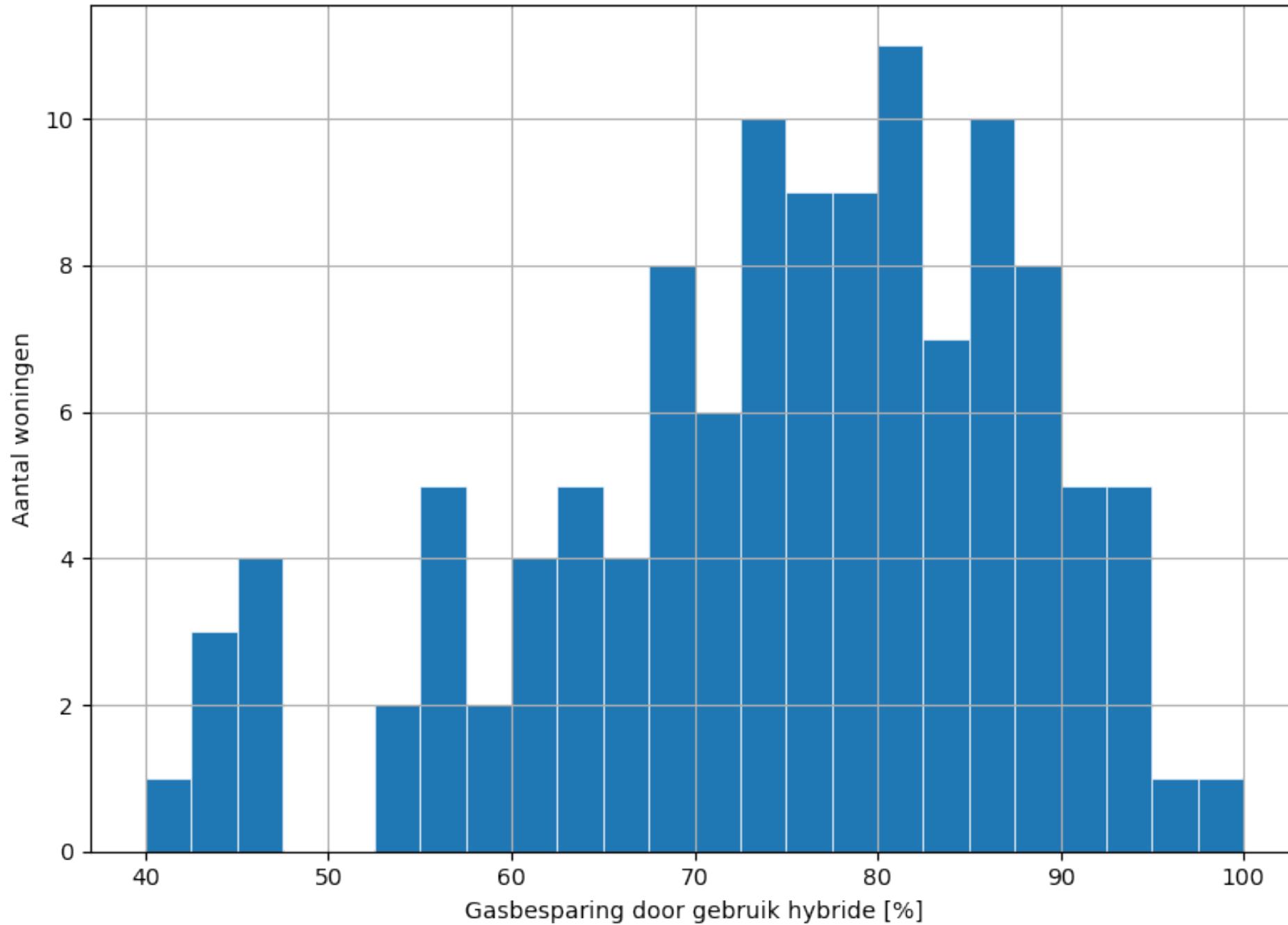
pF6_ZsJL



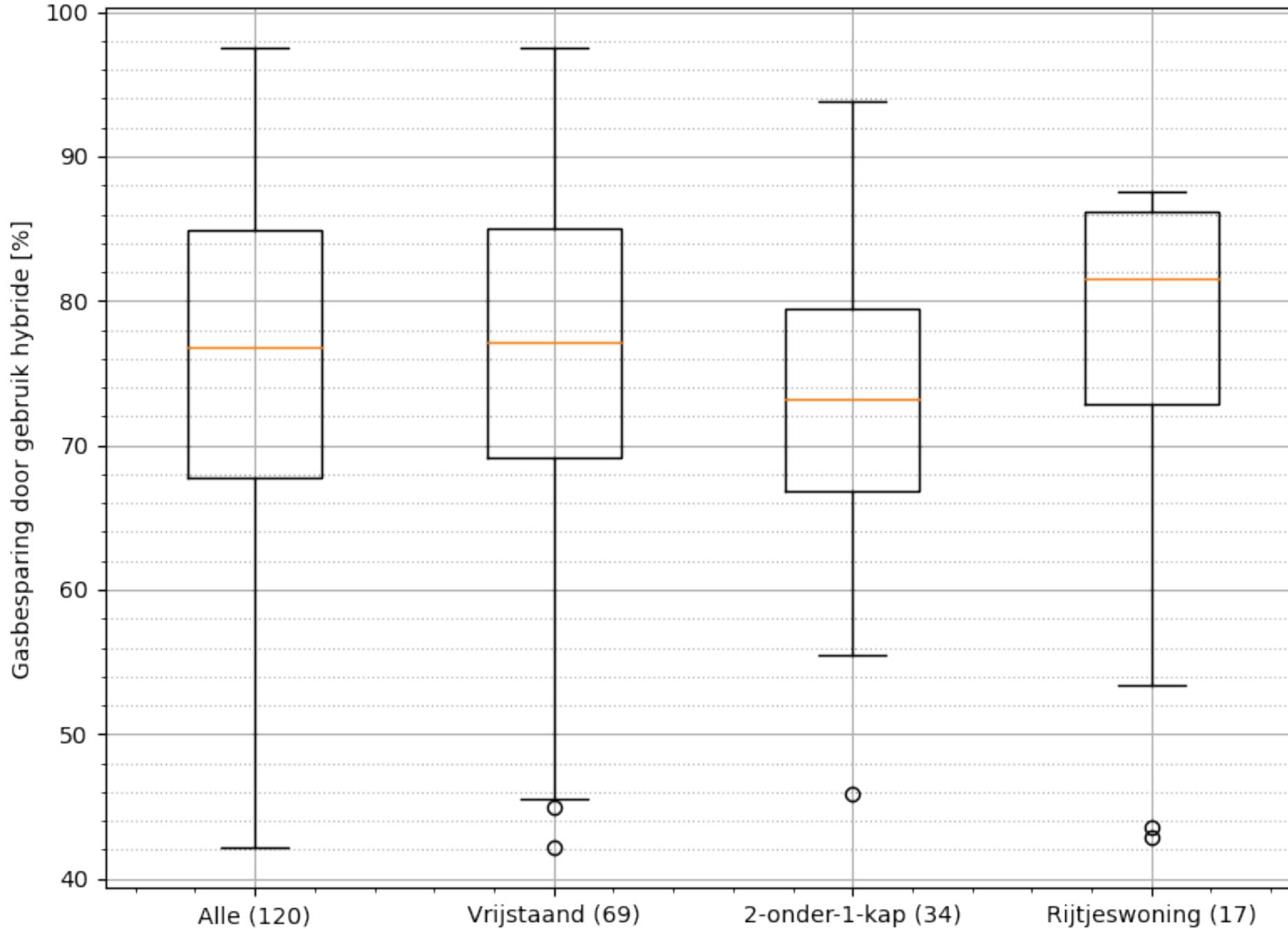


ID	Bouwjaar	Woning type	2019/ 2020	2020/ 2021	Hybride	Besparing	Hybride	Besparing- prestatie	Prijsplfd	April 2023
	jaar		m3	m3	m3		kWh		euro	euro
0168EtI7	2018	rijtjes	1312	1275	351	73%	1381	6.7	814	1059
017eG8JU *	1967	rijtjes	1199	1391	731	44%	766	7.2	511	666
217cZs88	1989	2onder1kap	1589	1425	217	86%	2496	5.1	872	1128
2V6wD949	2004	vrijstaand	1925	2247	429	79%	5324	3.1	273	327
pF6_ZsJL *	1969	vrijstaand	2198	2377	974	57%	1646	7.8	1246	1623
PV6uFdNP *	1965	2onder1kap	1951	1814	465	75%	2318	6.0	1128	1465
w16iEsJG	1982	vrijstaand	2319	2224	141	94%	4668	4.5	1222	1574
x16wH9Za	1930	vrijstaand	3723	3126	1163	66%	2637	8.4	2224	2899
X17aG8FC *	2003	2onder1kap	1381	1302	419	69%	1991	4.5	541	698
Gem. 120	1977		1904	1841	475	75%	2369	5.8	949	1229

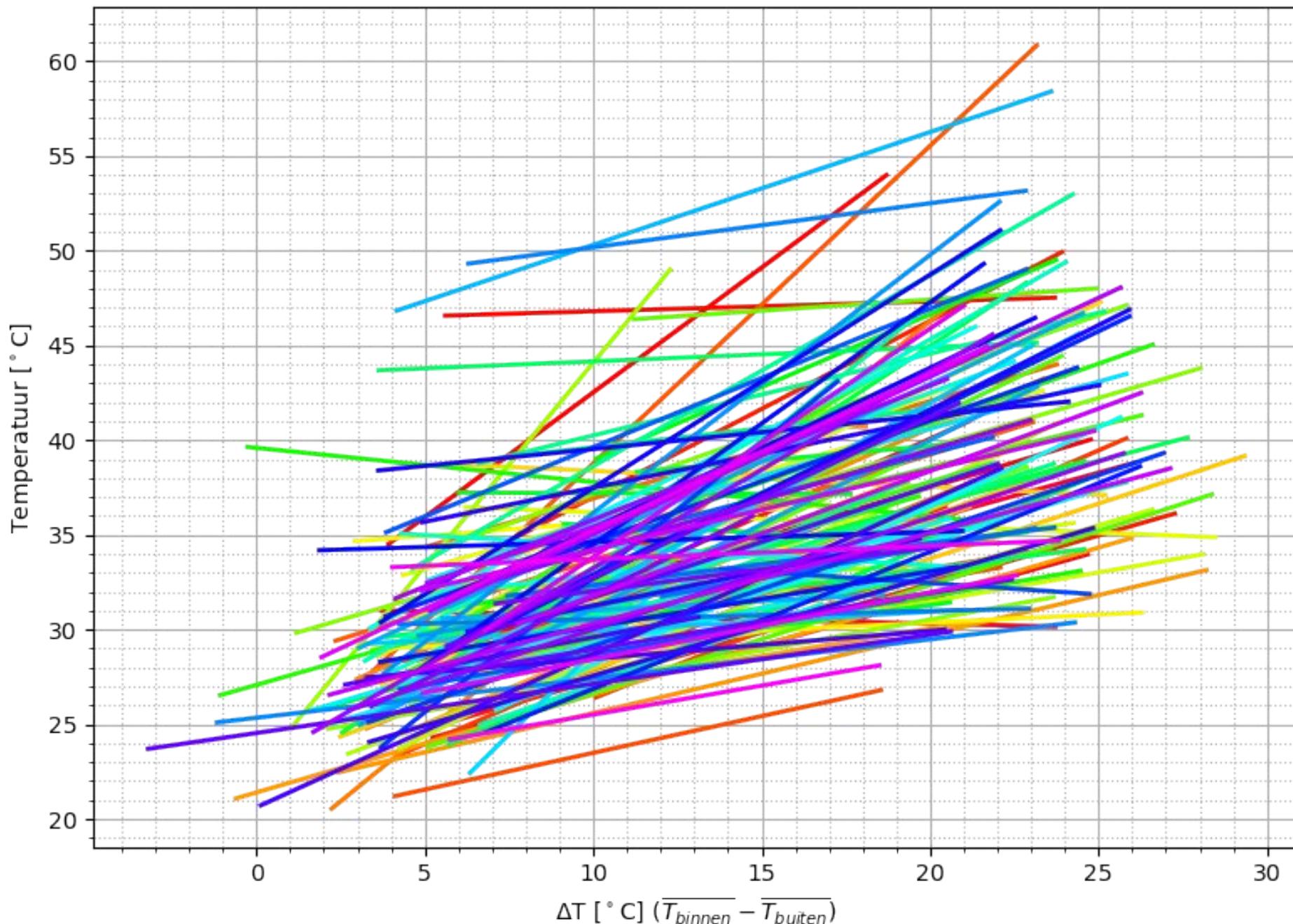
Verdeling van de gasbesparing

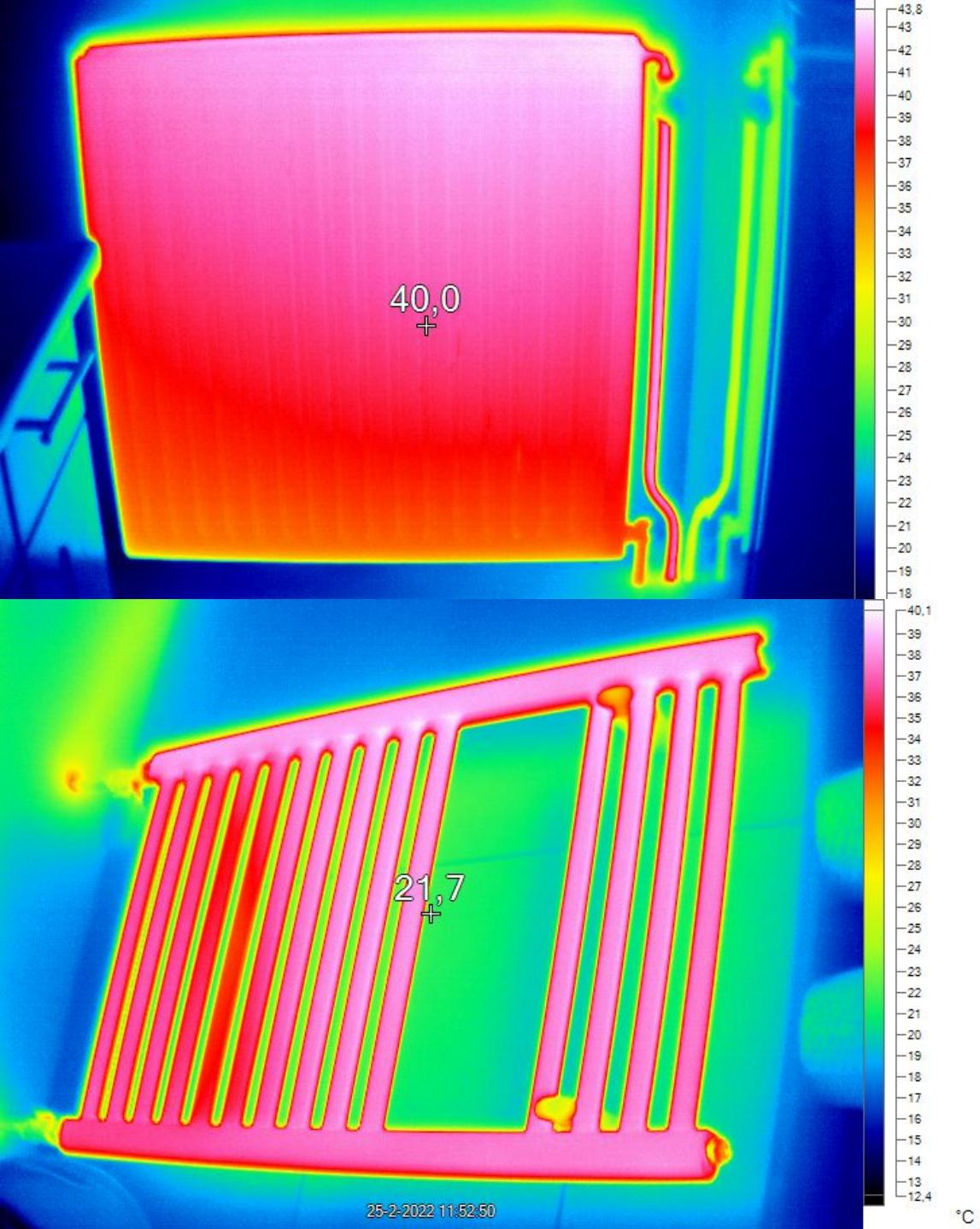


Besparing door hybride uitgesplitst per woningtype



Aanvoertemperatuur, alle woningen





Conclusies:

- Besparing gas 75% en financieel 1.000 euro
- Grote spreiding: 15% minder dan 60%
- Kwaliteit afgifte en regeling is essentieel
- Nog 1 jaar: herhaling en afgifte verbetering



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FALADI
VOTUM

