



Demo site Factsheet

— AM —
AAWASSER
BUOCHS



GOALS

Grid independence through high self-consumption
CO₂ neutrality
Renewable energy sources
Contribute to the energy transition



INHABITANTS

3 multi-family buildings with 23 apartments in total, ranging from 70 – 123 m³
600 m² of commercial space in 3 units



COMMUNITY CONSUMPTION

Approximately 200 MWh average per year
90% energy self-sufficient



COMMUNITY TYPE

One owner who rents out the apartments and commercial space



ACTORS INVOLVED

Owner: SANI Immobilien AG
Technology partner: ecocoach AG
Research partner: HSLU



GENTE USE CASES

Peak load management
CO₂ emissions reduction
Increase community energy self-sufficiency



TECHNOLOGIES

Photovoltaic		124 kW _p 80 - 110 MWh/a
Hydroelectricity: run of river		85 kW _p 120 - 300 MWh/a Potential for 380 MWh/a
Electricity storage		4 x 65 kWh 260 kWh total
Heat pumps: groundwater		3 x 40 kW
Thermal storage		3 x 3.5 m ³ hot water tanks
EV chargers		7 x private 1 x public 2 x for community EVs
Community EVs		2 x community use EVs