

sfw 197m2 fitness wellness, (~max. 8 fitness visitors at a given time) 3 saunas with conventional (electrical) and prototypical (thermal) system dfab 240m2 appartment (~3 bedroom for residents) Electrical and thermal prosumer Electrical prosumer; thermal consumer PV System; 24.7kWp; 3 inverters PV System; pkWp; 3 inverters Solar thermal; 2kWp Heat pump Boiler 14kWth CO2 Heat pump System 14kWth 3rd floor Radiator floor heating/cooling Radiator anf floor heating Ventilation (AC) Ventilation (AC), window and shading solace 103m2 office (~6 workstations and one bedroom) backbone 1'500m2 office (~2 Electrical and thermal prosumer meeting rooms, reception, PV System; 2.134kWp umar 155m2 appartment (~2 presentation rooms, break Solar thermal; 5kWp bedroom for residents) room, engineering rooms, ceiling heating/cooling Electrical and thermal consumer toilets) Ventilation (AC), shading Solar thermal planned; tbdkWp Electrical and thermal consumer Floor/ceiling heating/cooling vw 162m2 appartment (~2 bedroom for residents) ceiling/floor heating/cooling Ventilation (AC), shading Electrical and thermal consumer Ventilation (AC), shading 2nd floor Floor/ceiling heating/cooling Ventilation (AC), shading m2c 279m2 office (~9 workstations and two meeting rooms) (backbone) (empty) Electrical and thermal consumer PV System; 0.7kWp 1st floor ceiling/floor heating/cooling Ventilation (AC), shading (backbone) (backbone) (backbone) Ground floor district th\_buffer in high, medium and th\_storage 2x Ground heat exchanger; each 260m; each 14.6kW e\_storage low temperature each 22001 Battery NMC-g; 100kWh, 260kVA charge and 9.7kW discharge th\_production Scap; 1kWh, 100kW 1x 12m thermpipe; 7kW charge and 4.7kW discharge HT-Heatpump; thermal output 28kW 1x 69m3 Ice storage; 20kW charge and 30kW Basement NT-Heatpump; thermal output 100kW discharge Fuel Cell; thermal output 2kW, 20kW **move** 300m2 mobility topics Fuel stations Charging stations

move

Hydrogen prodiuction

PV System; 130kWp

Mehtan production (planned)

Battery installation; 22kWh, 22kW