

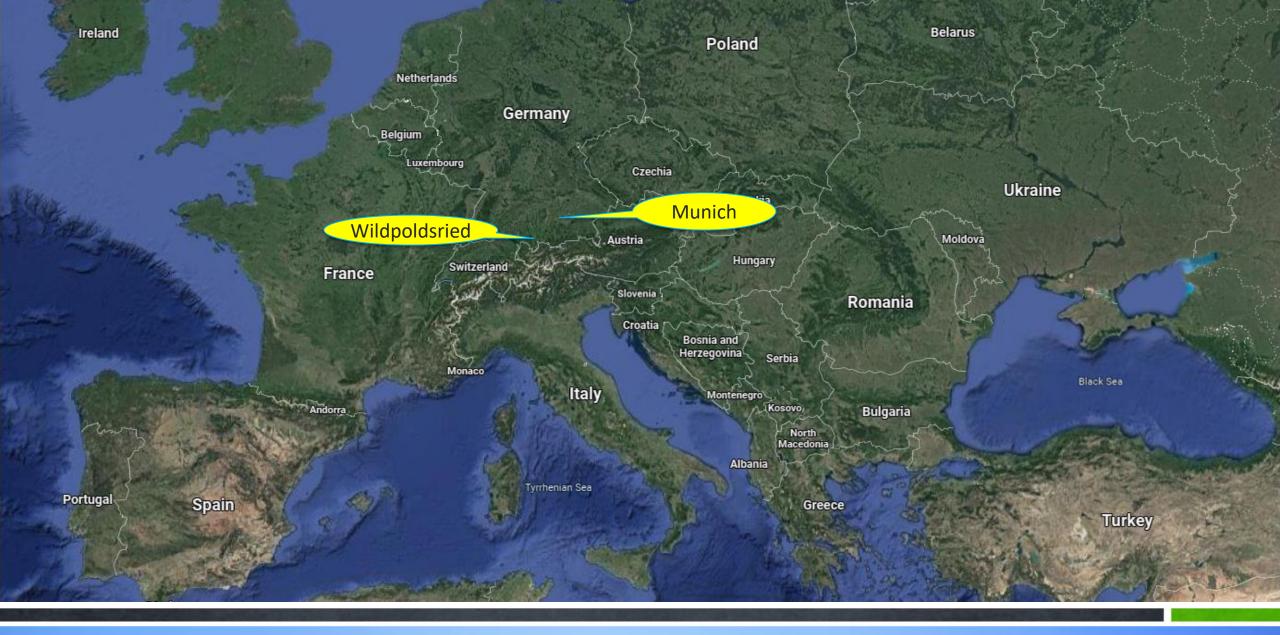


The energy village of Wildpoldsried champion of the European Energy Award

2. MajorGünter Mögele23.11.2021







































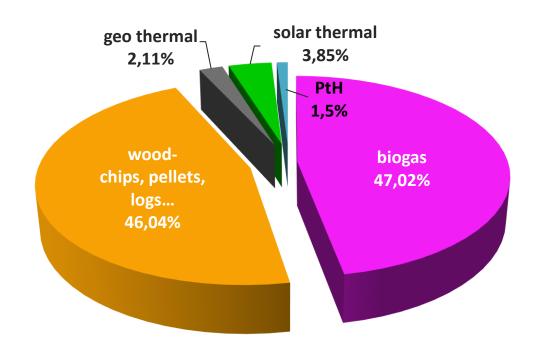








# Renewable produced heat 2020



- Total heat consumption
- Renewable produced
- Balance 2019

ca. 30 GWh

ca. 18 GWh

ca. 60 %













- With biogas produced heat3.364 MWh/year (2020)
- With pellets produced heat131 MWh/year (2020)

- -> Oil savings ca. 350.000 liters/year
- -> CO₂ savings ca. 1000 tons/year

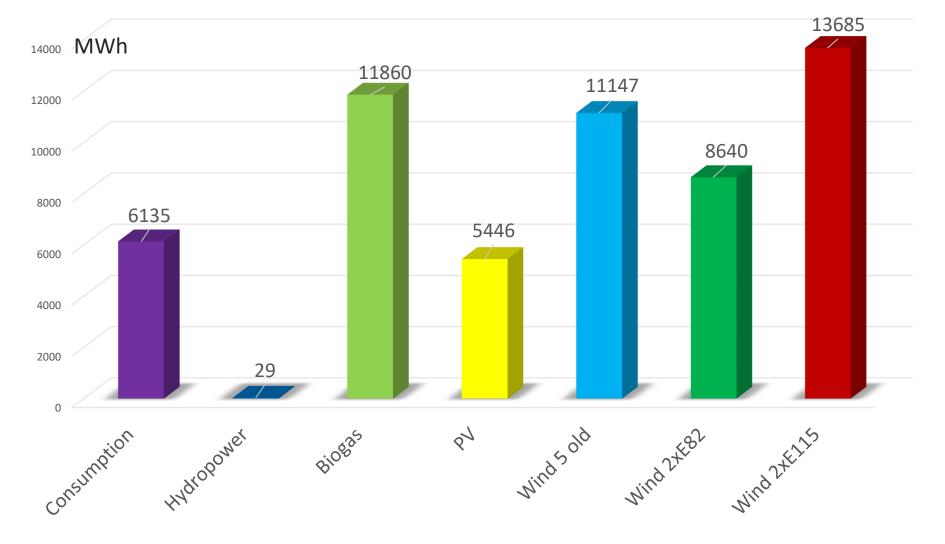












**together about 50807 MWh = 828%** 



























- IRENE: first Smart Grid project with 40 E-Cars and 200 measuring points, 2011 2013
- IREN2: Feasibility of Micro
   Grids and topological power
   plants, 2014 2018
- Pebbles: Testing of the energy market of the future based on blockchain tech., 2019 - 2021































- Made in "Wildpoldsried"
- Lithium ferro phosphate battery storage system
- fully integrated and smart
- automatically maximises selfconsumption
- from 2 16 kWh
- 10000 charge cycles
- 10 years warranty
- starts at 2000€ (2kWh)







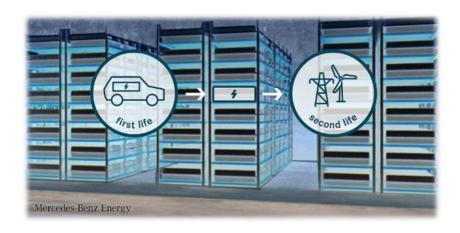




"AllgaeuMobil"E-Carsharing project



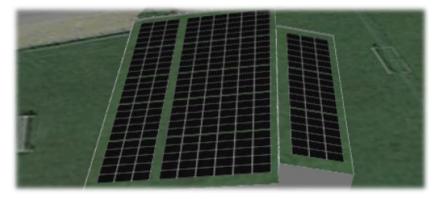
"HyAllgäu"Hydrogen project

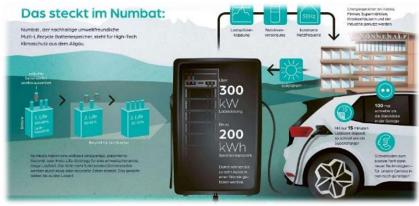


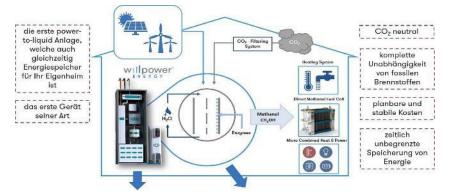
"Second Life Batteries"
 Storage concept with disused
 E-Car Batteries











- Own power supply of the sewage pumps with a 100kW PV-system of the community center
- "Numbat" 300kW
   Fast charging station with stationary electricity storage
- "Methanology"Conversion of water and CO₂into methanol







educations and trainings for communities, countries and universities ...















- Electrical Engineering
- Power Engineering
- PV-Technology
- Storage-Technologies



## Basics for:

- Small "Island Solutions"
- Small Businesses
- "Snowball-Effect"









### PV1

Basics of Electrical Engineering and Photovoltaik



### PV2

Designing, building and operating of battery buffered PV-Systems



### PV3

Calculation,
designing and
builing of larger PVSystems with
battery storage on
public buildings

Education of PV specialists in their home countries through scilled multipliers, in company with German mentors









































# european energy award GOLD













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