

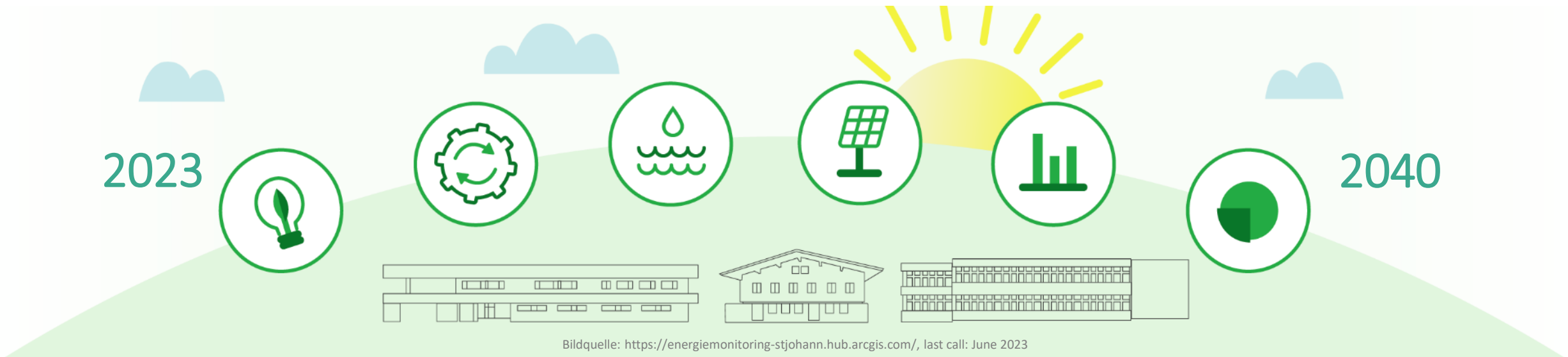
EnerPHit for a climate-resilient St. Johann

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Project Goals

- Creation of a roadmap to climate neutrality in St. Johann, Tyrol, Austria by 2040
- Implementation of the first measures on the way to climate neutrality
- Ensuring a coordinated system-integrative planning and implementation strategy

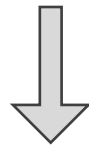
St. Johann: Climate Alliance community since 1998



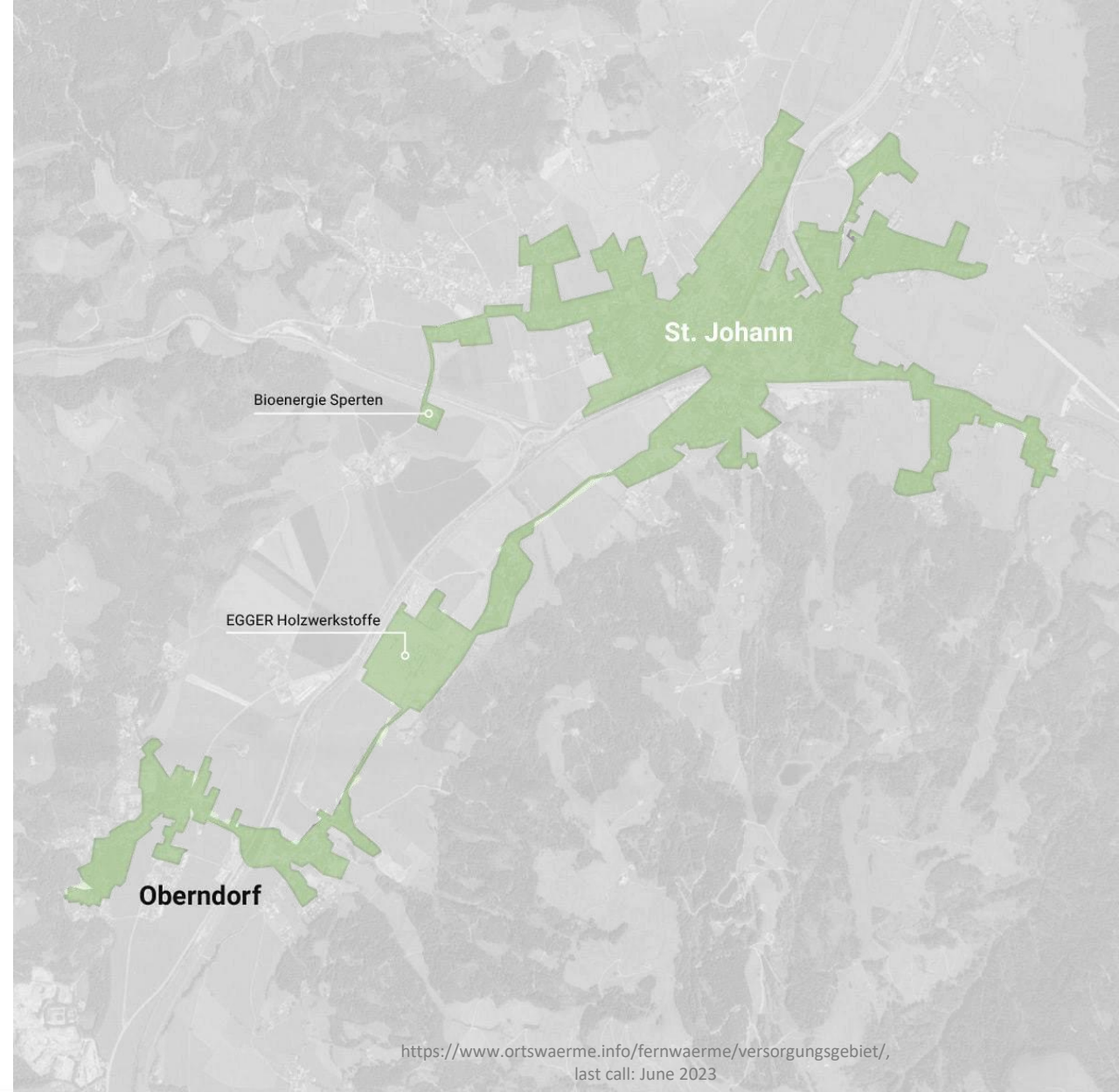
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Challenges

- 800 buildings including a centre for swimming, SPA and sport
- District heating network not for the entire city area
- Snowy winters (PV limitation)



Limitation of locally generated renewable energies



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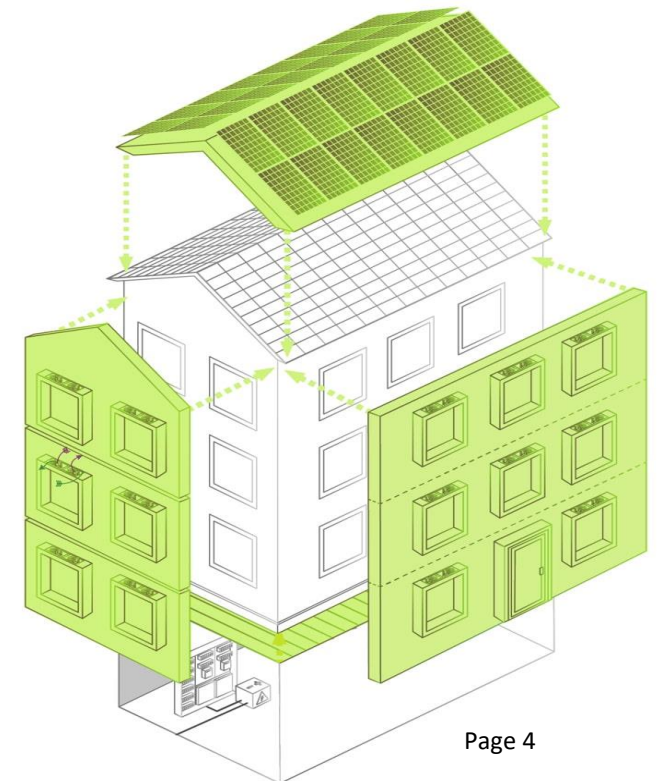
Need to reduce the energy demand of consumers, especially buildings to make the best possible use of renewables

#1 Make retrofits **simpler, faster and cheaper** via streamlined approaches and **PREFABRICATION**

#2 Ensure **high energy performance and quality** by using the **ENERPHIT STANDARD** for renovations based on passive house principles

PREFABRICATION

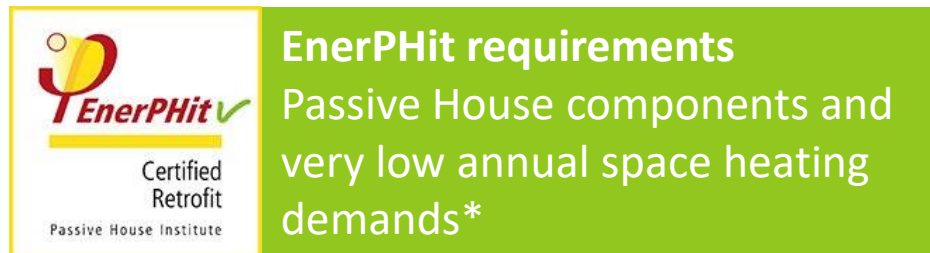
Brings actors, components and steps together for reduction of retrofit times and costs



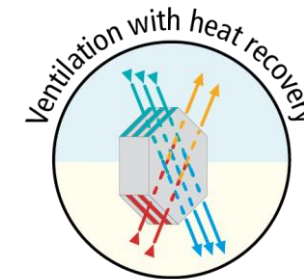
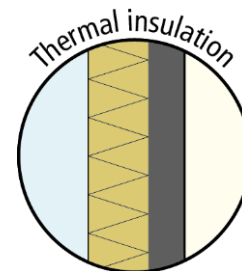
Need for quality assurance

High quality checks and certification ensures:

- Guarantee energy efficiency → Necessary for the design of the supply infrastructure
- Comparability of measures
- Ensuring comfort (reducing overheating)
- Ensuring airtightness and avoiding thermal bridges --> avoiding the risk of mold
- Research into the causes of gaps in energy performance between planning and operation is made easier



*climate dependent; in Europe from 15 to 30 kWh/m²a



Passive House principles | © Passive House Institute

More about...

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