

BREWING TRADITION

meets the energy transition

FENECON Home 30

Brewery



"The aim of the project was to reduce rising electricity costs, make our production more efficient, and enable climate-neutral and sustainable manufacturing."

Mark Pfeffer, brewery "1. Dampfbierbrauerei Zwiesel"

Vision

Since 1889, the brewery "1. Dampfbierbrauerei Zwiesel" has combined traditional brewing expertise with authentic beers full of character. As a family-run business now in its fifth generation, the brewery combines a strong heritage with a commitment to continuous development. Technological innovation has always been embraced as a key enabler — enhancing precision and quality, reducing production costs, strengthening expertise, and enabling more efficient workflows and modern production processes.

At the same time, energy-intensive brewing operations — particularly large-scale cooling systems — together with rising electricity costs confronted the company with the challenge of making its energy supply more economical and future-proof. The objective was to identify a solution that optimizes self-consumption, reduces peak loads, and further increases independence from energy market developments.

Client Information

- 1. Dampfbierbrauerei Zwiesel
- Regener Straße 9,
94227 Zwiesel, Germany
- Approx. 520 kWh/day
average consumption
- Existing PV system with expansion,
combined with a FENECON energy
storage system



Watch the video here

Project Details

- FENECON Home 30
- 30 kW Power
- 78.4 kWh Capacity
- Installed by SolarPur AG
- Existing system with 116 kWp

Energy Management in Detail

- FEMS App Grid-Optimized Charging
- FEMS App Production and Consumption Meter



More info
about FEMS



Outcome

75%

Self-consumption rate
(Data from May 2026)

3.88 t

Monthly CO₂ Savings*

10,700 kWh

Reduced monthly electricity consumption

*based on data from the German Federal Environment Agency

Energy Journey

With the installation of a FENECON Home 30, the brewery's existing energy infrastructure was expanded to include an intelligent storage and energy management system. The previously installed photovoltaic system was integrated into the system on the AC side. At the same time, the PV capacity was increased to a total of 116 kWp, with the additional capacity connected on the DC side. Another key consideration in the system design was

future scalability. The brewery already operates a delivery truck for home deliveries, covering a daily distance of around 120 kilometres. The planned integration of an operational charging infrastructure can be seamlessly incorporated into the existing energy management system. This has created a solid technical foundation for flexibly meeting future requirements in the areas of e-mobility and self-sufficient energy supply.

"The collaboration with FENECON is excellent. We receive outstanding support, FENECON provides great service, and there is a strong commitment to regional partnerships."

Karl-Heinz Simmet, SolarPur AG

