

**RES:**

- Solar thermal
- PV
- Biogas
- Heat pumps
- Biomass
- Absorption chiller
- Wind
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**Changes in the production and energy supply:**

- Process optimisation
- Process intensification
- Heat integration
- Storage
- Energy efficiency
- solar integration
- Biobased products
- Emerging technologies
- Cleaner production
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**Unit operations:**

- Cleaning
- Drying
- Evaporation and distillation
- Blanching
- Pasteurization
- Sterilization
- Cooking
- Other process heating
- General process heating
- Heating of production halls
- Cooling of production halls
- Cooling processes
- Melting
- Extraction
- Bleaching
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Project name: Toni Braeu

Project description:

Based on a sustainable status quo of beer production including solar thermal, photovoltaics and pellet boiler further optimisation potentials has been identified including an optimised storage management and control strategy. The realised measures are the integration of the waste heat from the wort cooling in an existing thermal storage and the installation of a photovoltaics driven old storage (ice storage) in order to reduce the external electricity demand.

Sector: food & beverages

Sub sector: beer/ malt

Country: Austria

Company scale: Micro (< 10 people and/or < 2 mio€ turnover)



