

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
-

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: Brauhaus Mariazell ,Austria

Project description:

Brauhaus operates as an inn and brewery in Mariazell, Austria. It has 2 guest rooms and 62 seats. The heating was changed to biomass heating other than oil heating with also the possibility to connect to the DH biomass network when temperature increased and air compressor was installed to reduce pressure losses. Halogen Lamps were replaced by LED Lights which are better efficient and easy to maintain.

Sector: food & beverages

Sub sector: beer/ malt

Country: Austria

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



<u>Investigated Company:</u> Brauhaus Mariazell ,Austria		<u>product output</u> tons/a <u>product output</u> tons/a <u>product output</u> tons/a <u>product output</u> tons/a
<u>Employees:</u> Not specified		<u>Turn over:</u> Not specified
<u>Unit operations involved:</u> Heating , Cooling , Lighting	<u>Temperature and Energy demand [°C, MWh/a]:</u> Not specified	<u>Equipment for heat/cooling generation:</u> Air compressor for cooling heating: Biomass system
<u>Process optimisation:</u> Lighting with LED	<u>System optimisation:</u> Halogen lamps replaced by LED lights, Oil heating is replaced by biomass heating Installation of air compressor	<u>Energy supply technology:</u> oil: Oil heating new: own Biomass heating also connection to District heating with biomass
<u>Energy saved [%, MWh/a]:</u> 11	<u>Fossil energy saved [%, MWh/a]:</u> Not specified	<u>CO2 emissions saved [%, t/a]:</u>
<u>Link to further information:</u>	<u>Co-ordinator, realising partner:</u> Der Energiedetektiv - Ingenieurbüro Weigl www.energiedetektiv.com	<u>Filling in person:</u>