

**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: Vöslauer Energy Efficiency Programme 2020

Project description:

The Vöslauer mineral AG is the largest manufacturer of natural mineral water and near-water drinks in Austria. It produces around 300 million liters of bottled beverages. Since 2013, Vöslauer is also ISO 50001 certified. Previously there were two 250 kW high-pressure compressors, they were inadequately controlled. A new 40 bar air compressor resulted in an energy savings of approximately 270,000 kWh. Also special infrared lamps ("Ecolamps"), a reduction of the power supply could be achieved.

Sector: food & beverages

Sub sector: others, e.g. canned food, ready meals

Country: Austria

Company scale: Large (  $\geq 250$  people and/or  $\geq 50$  mio€ turnover)



<u>Investigated Company:</u>  Vöslauer Mineralwasser AG , Austria		<u>product output</u> tons/a <u>product output</u> 3,000,000 hl/a <u>product output</u> tons/a <u>product output</u> tons/a
<u>Employees:</u> 172		<u>Turn over:</u> 55 million Euros
<u>Unit operations involved:</u>	<u>Temperature and Energy demand [°C, MWh/a]:</u>	<u>Equipment for heat/cooling generation:</u>
<u>Process optimisation:</u>  Energy Management System (ISO 50001)	<u>System optimisation:</u>  air compressor - 40 bar	<u>Energy supply technology:</u>
<u>Energy saved [%, MWh/a]:</u>  756.1	<u>Fossil energy saved [%, MWh/a]:</u>  Not specified	<u>CO2 emissions saved [%, t/a]:</u>  Not specified
<u>Link to further information:</u>  www.denkstatt.at	<u>Co-ordinator, realising partner:</u>  denkstatt GmbH	<u>Filling in person:</u>