

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: Berglandmilch eGen, Aschbach

Project description:

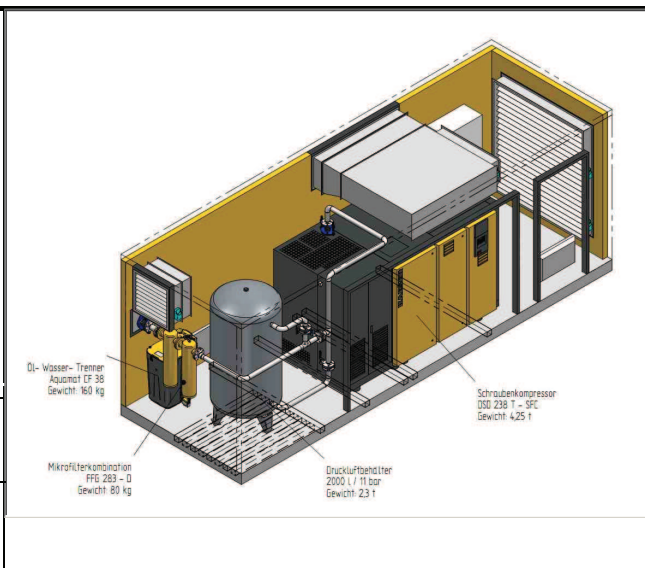
Aschbach is the one of the largest production facility of Bergland milk. Daily about 700,000 liters of raw milk are processed and delivered. especially butter, cream cheese, yogurt, fresh and long-life milk products. At Aschbach the compressed air supply system was made more efficient. It was operating at 8 bar but now it operates at 7.4 bar saving 73,200 kWh/a. The control was much better with 3D Adaptive control technique.

Sector: food & beverages

Sub sector: milk products

Country: Austria

Company scale: Large (≥ 250 people and/or ≥ 50 mio€ turnover)



<u>Investigated Company:</u> Berglandmilch eGen, Aschbach		<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> 1,350		<u>Turn over:</u>
<u>Unit operations involved:</u>	<u>Temperature and Energy demand [°C, MWh/a]:</u> Compressor motor Pel - 132 kW with pneumatic control	<u>Equipment for heat/cooling generation:</u>
<u>Process optimisation:</u> Not specified	<u>System optimisation:</u> 8 frequency controlled air compressors with 3D Adaptive control	<u>Energy supply technology:</u>
<u>Energy saved [%, MWh/a]:</u> 73.2	<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.schaerdinger.at	<u>Co-ordinator, realising partner:</u> Berglandmilch eGen	<u>Filling in person:</u>