

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
-

Project name: Berglandmilch eGen voitsberg

Project description:

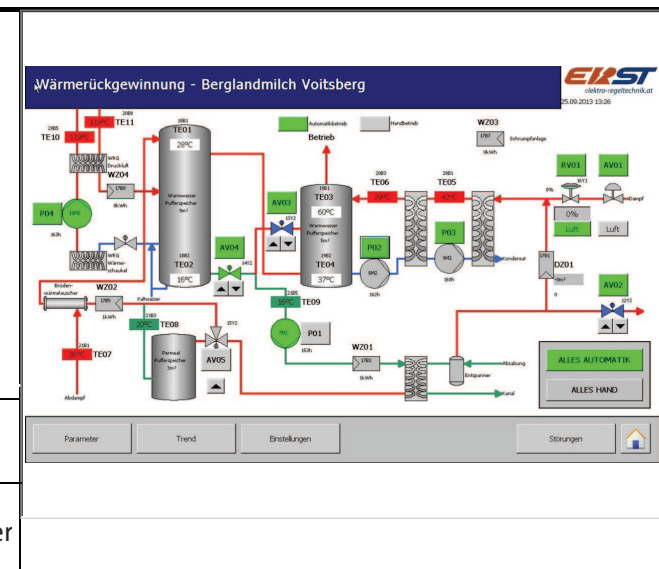
Bergland milk is the largest Austrian dairy owned by the dairy farmers who produce milk and dairy specialties under brands such as Schäringer, Tirol Milch etc. At Voitsberg quality cheese is manufactured. Hot water at 60° C is produced for all production process by Heat recovery from Schaukelwassertank, reheated by primary steam. Steam boiler and air compressor can reduce waste heat sources. Hot water tank is expanded by 9 m³, Excess energy is used for heating permeate feed water supply.

Sector: food & beverages

Sub sector: milk products

Country: Austria

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



<u>Investigated Company:</u>		<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> 1,500		<u>Turn over:</u> EUR 853 Million	
<u>Unit operations involved:</u>	<u>Temperature and Energy demand [°C, MWh/a]:</u>	<u>Equipment for heat/cooling generation:</u>	
Heating of permeate boiler feed water supply	Hot water : 60° C	Heat recovery from Schaukelwassertank	
<u>Process optimisation:</u>	<u>System optimisation:</u>	<u>Energy supply technology:</u>	
	Hot water buffer expanded to 9 m ³		
<u>Energy saved [%, MWh/a]:</u>	<u>Fossil energy saved [%, MWh/a]:</u>	<u>CO2 emissions saved [%, t/a]:</u>	
1,000.000	Not specified	Not specified	
<u>Link to further information:</u>	<u>Co-ordinator, realising partner:</u>	<u>Filling in person:</u>	
	AOP Anlagen Optimierungs- GmbH		