RES:

- ☐ Solar thermal
- ☐ PV
- ☐ Biogas
- ☐ Heat pumps
- ☐ Biomass
- ☐ Absorption chiller
- ☐ Wind
- ☐

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
- ☑ Aging

Project name: Franz Krainer Fleisch– und Wurstwaren GesmbH

Project description:

The Franz Krainer meat and sausages GmbH was founded in 1959, their main market is the food trade in Austria, Germany and Switzerland.For cooking, roasting,Aging and blanching process heat demand is high.The existing NG steam boiler consumed high gas so it was insulated to reduce losses.New osmosis system for treatment of boiler water,degassing heat exchanger , reduction in steam traps and regular maintenance was done.Space heating was done by natural gas.

Sector: food & beverages	Sub sector: meat
Country: Austria	Company scale: Large (>= 250 people and/or >= 50 mio€ turnover

Investigated Company: Franz Krainer Fleisch– und Wurstwaren GesmbH	product output product output product output product output	tons/a tons/a tons/a tons/a
Employees:	Turn over:	
Unit operations involved: roasting, blanching, aging	Temperature and Energy demand [°C, MWh/a]: Not specified	Equipment for heat/cooling generation: Cooling: water chillers connected to compressors Heating: Natural Gas Boiler
Process optimisation: Water optimisation by own well water and wastewater treatment	System optimisation: New osmosis system for treatment of boiler water,degassing heat exchanger , reduction in steam traps	Energy supply technology:
Energy saved [%, MWh/a]: 2,375.5	Fossil energy saved [%, MWh/a]: Not specified	CO2 emissions saved [%, t/a]: Not specified
Link to further information: www.energiedetektiv.com	Co-ordinator, realising partner: Der Energiedetektiv—Ingenieurbüro Weigl	Filling in person: