Solar heating in Austria

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Association Austria Solar
Solar thermal market in transition
Declining private household market

Domestic hot water

300,000 solar thermal installations in operation

Domestic space heating
100 % Solar commercial buildings

Public event hall
100 % Solar heat supply

No boiler, only solar, hot water-tanks and cooling appliances
Growing new markets

Solar process heat for industrial purpose
1,400 m² (1 MW)

Solar district heating for cities
3,000 m² (2.1 MW)
Combination of power & heat supply

SOLAR POWER PLANT

BREITE FURT

16,000 m²
5.980 kW
OVERALL OUTPUT
[photovoltaic + solar thermal panels]

PHOTOVOLTAIC
REDUCTION OF CO2 EMISSIONS
310 t/a

SOLAR THERMAL PANELS
REDUCTION OF CO2 EMISSIONS
450 t/a

1 compared with average
electricity
2 compared with average
coal (electricity)
3 compared with average
local district heating
4 solar thermal panels provide
domestic cooling & heating needs. overproduction
will be fed into local district heating
5 photovoltaic roof generates
electricity to meet annual consumption for all
buildings on site. overproduction will be
fed into local network or e.g. an electric car
power station

DISTRICT HEATING

8,000 m² solar thermal panels
2.800 kW [cooling]
5.600 kW [heating]

8,000 m² photovoltaic
380 kW [electric power] e.g. ELECTRIC CAR POWER STATION

LOCAL NETWORK
New Business Models arising

The house as a flexible storage
Solar thermal has future potential!