

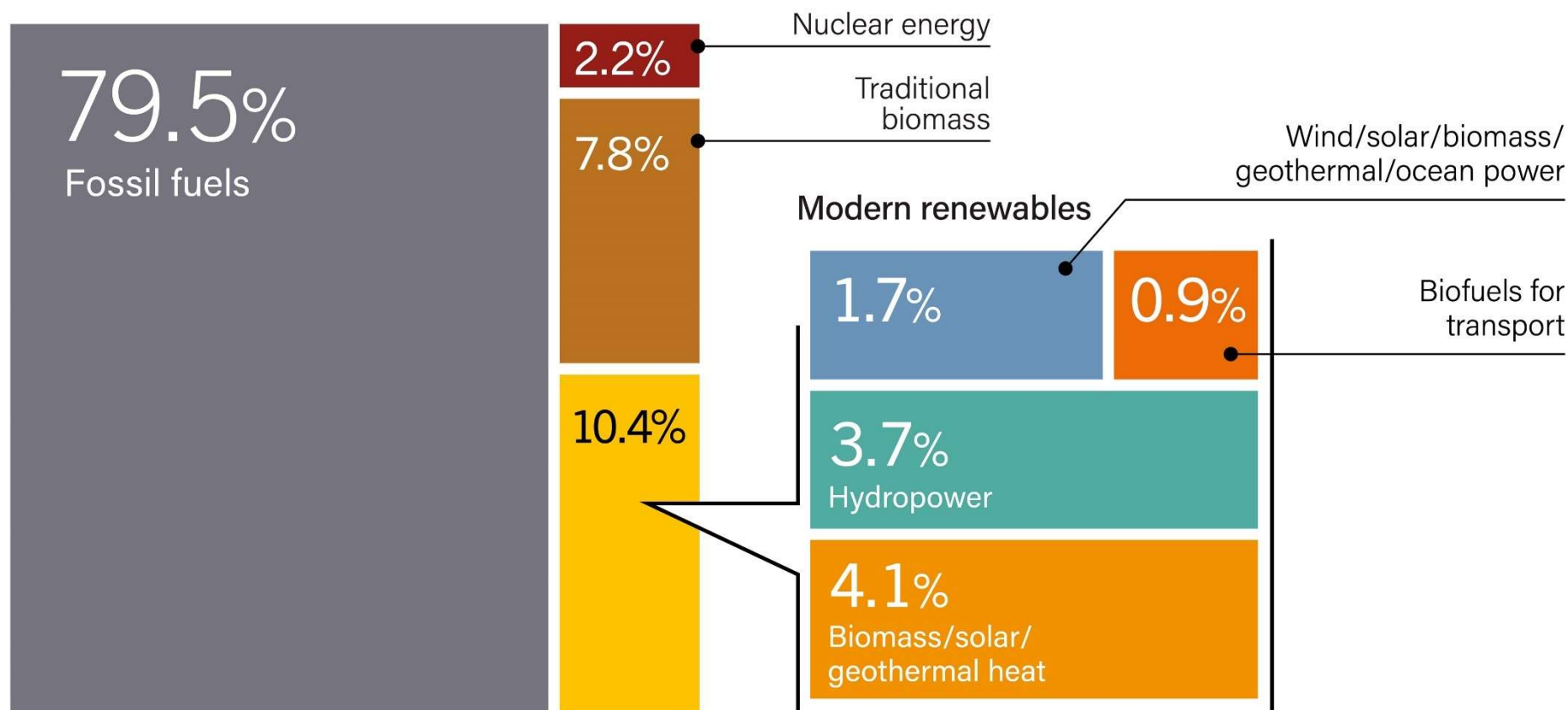
Solar Thermal in a new era of RES Deployment

DI Roger Hackstock
Association Austria Solar



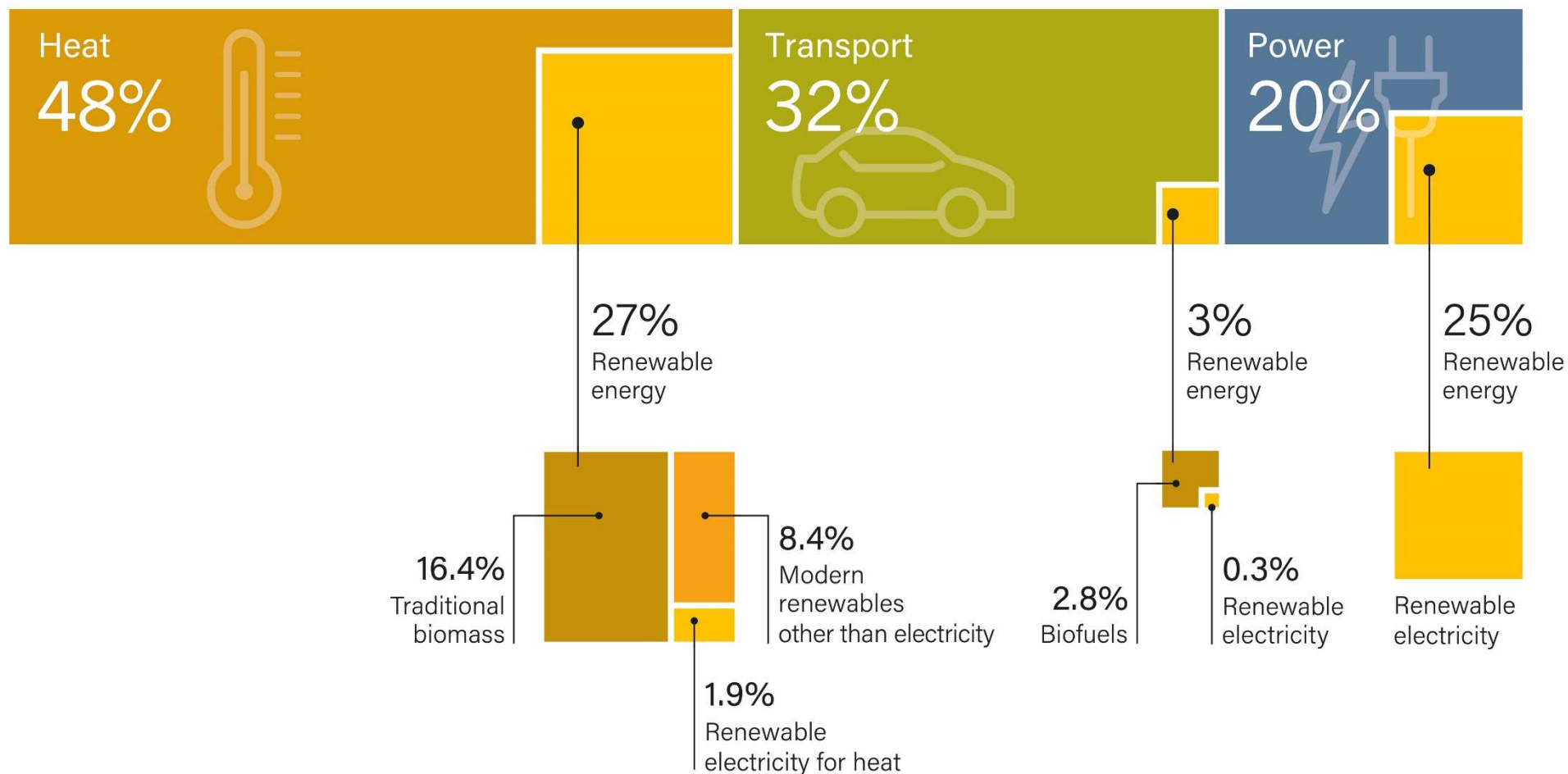
Renewable energy – a worldwide trend

Estimated Renewable Share of Total Final Energy Consumption, 2016

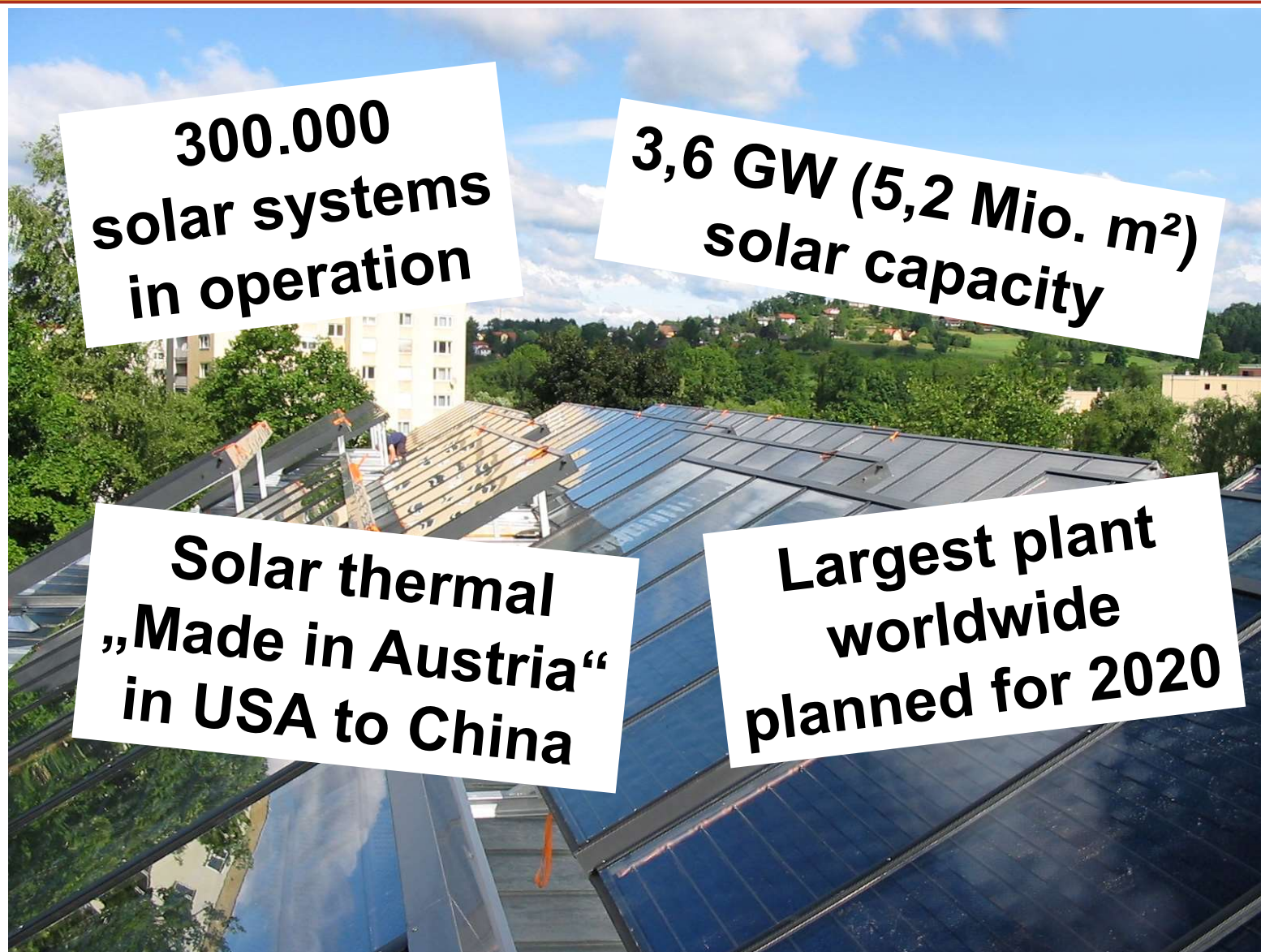


Renewable energy in Austria

Renewable Energy in Total Final Energy Consumption, by Sector, 2015



Solar thermal in Austria



Solar thermal market in transition



Declining private household market



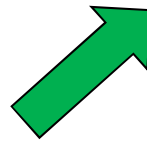
**Domestic
space heating** 

Domestic hot water 



100 % Solar commercial buildings

**Public event hall
100 % Solar heat supply**



**No boiler, only solar, hot
water-tanks and cooling
appliances**

Growing new markets

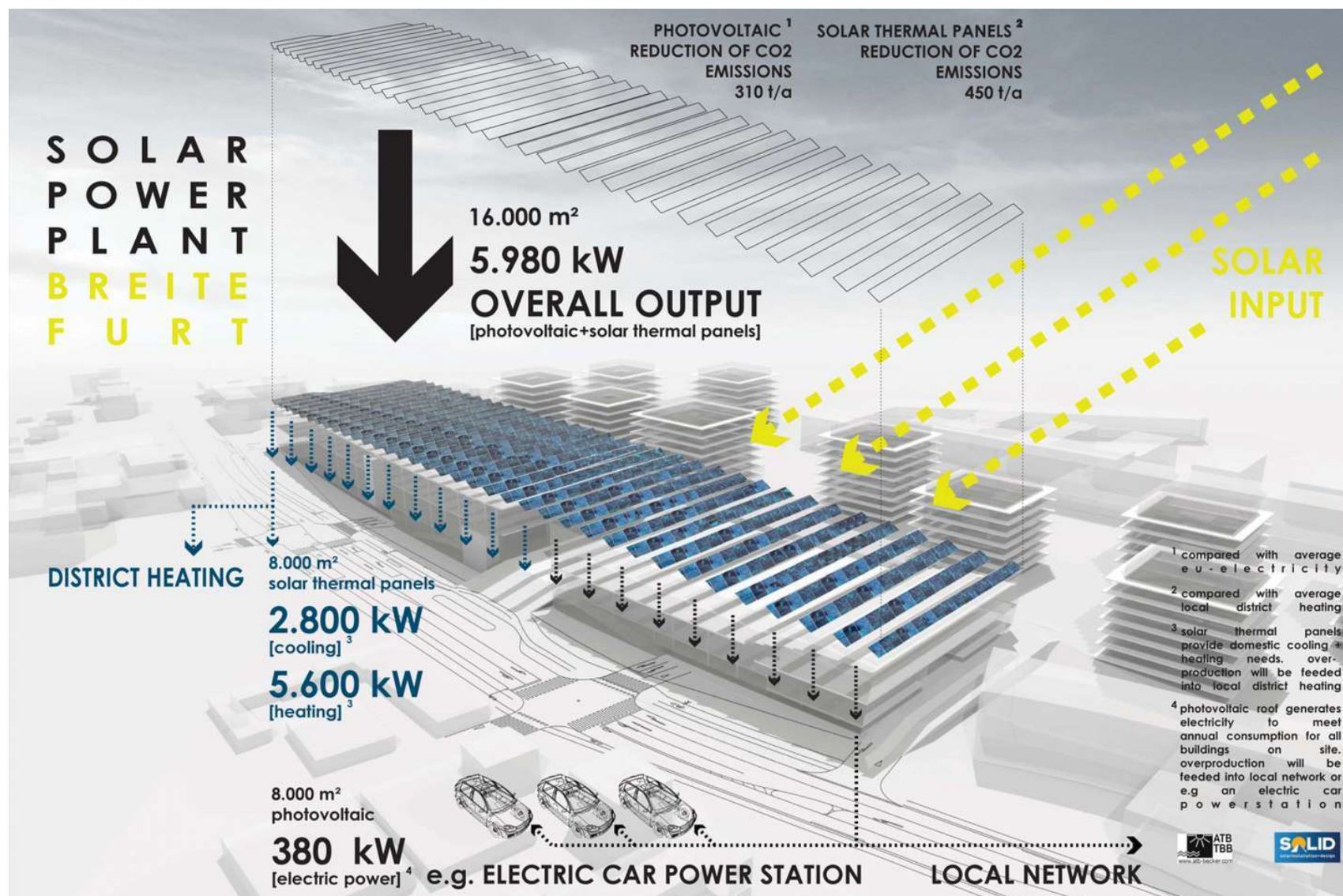


**Solar process heat
for industrial purpose
1.400 m² (1 MW)**

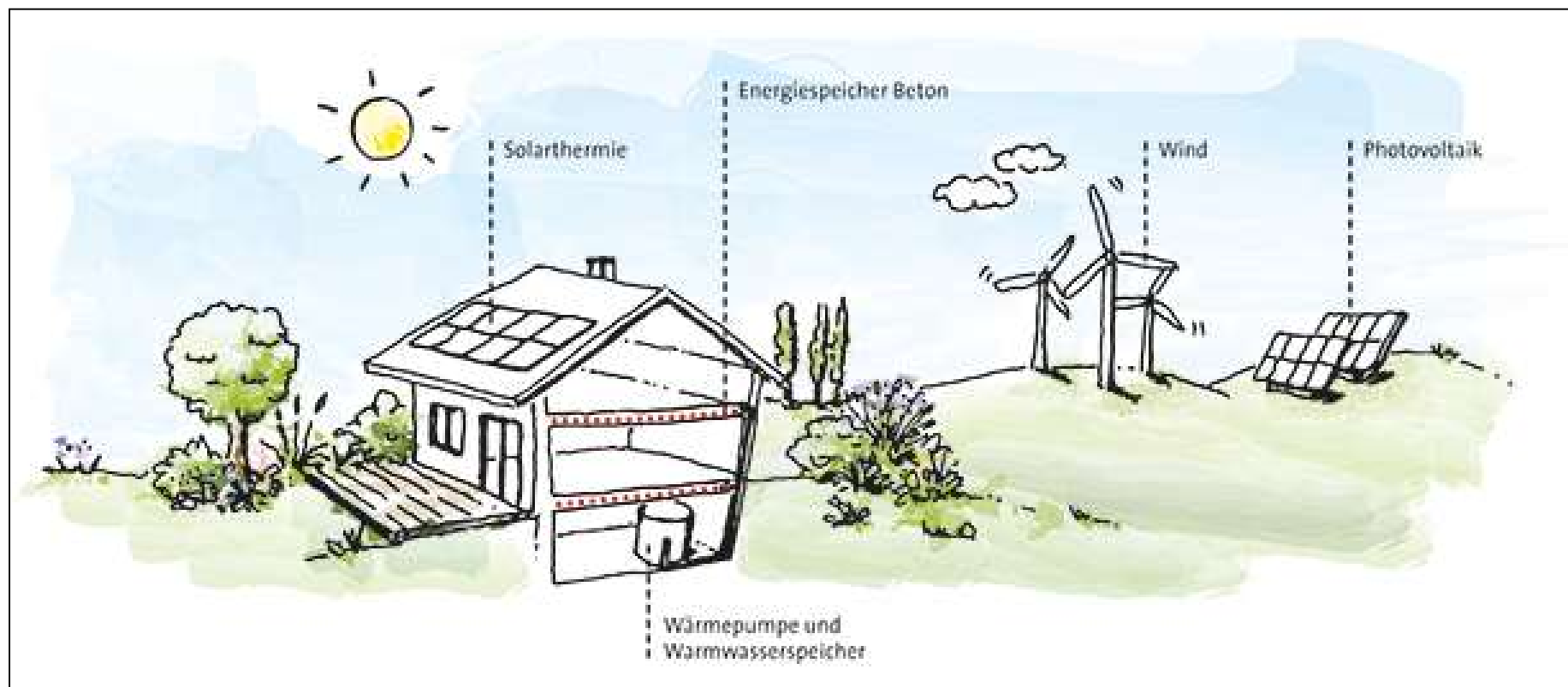
**Solar district heating
for cities
7.500 m² (5 MW)**



Combination of power & heat supply



New Business Models arising



The house as a flexible storage

Combining Power/Heat/Mobility @ home



Future Solar House may be very different



We need to harvest the sun!

