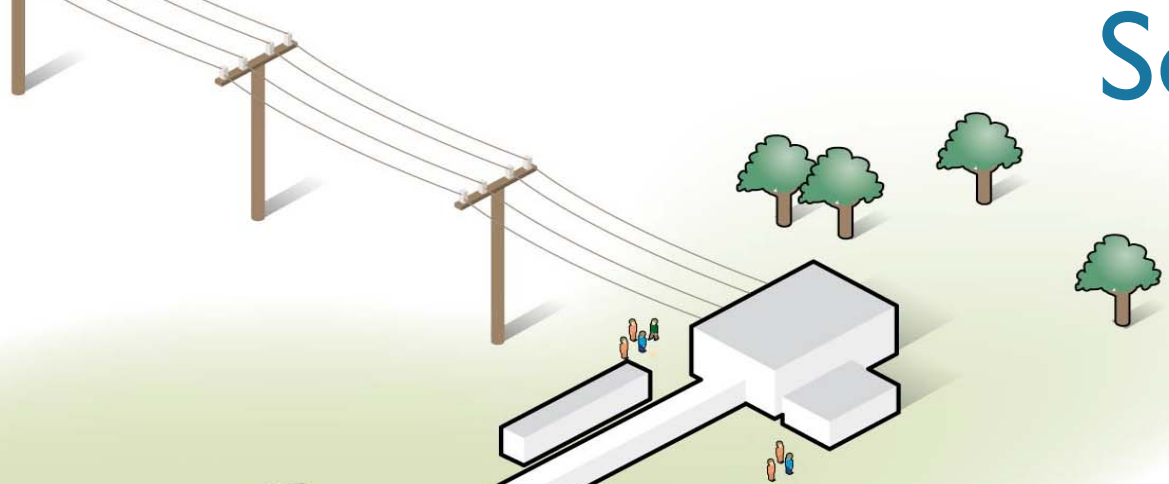
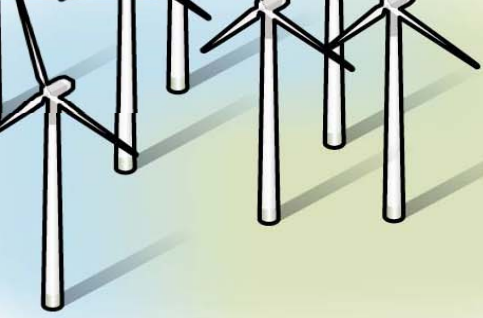
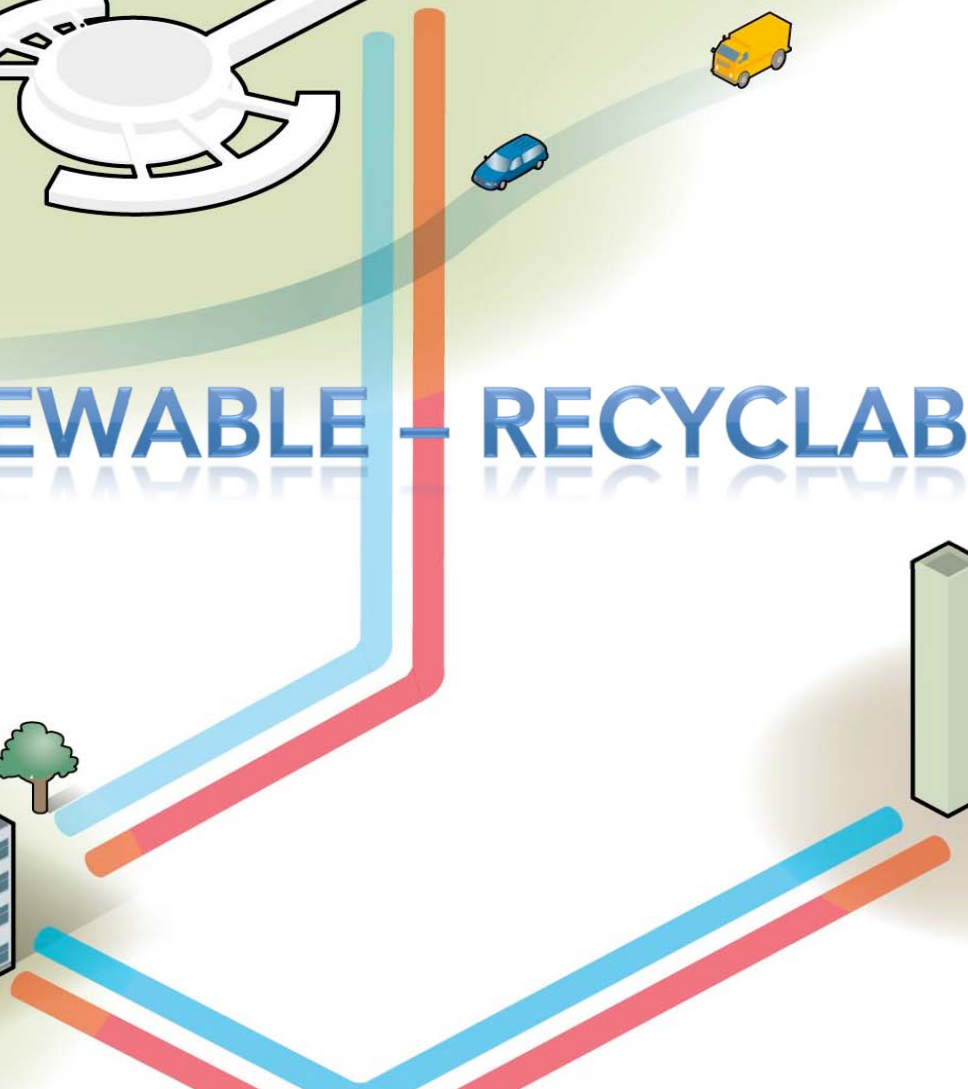
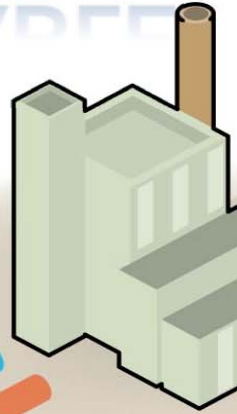
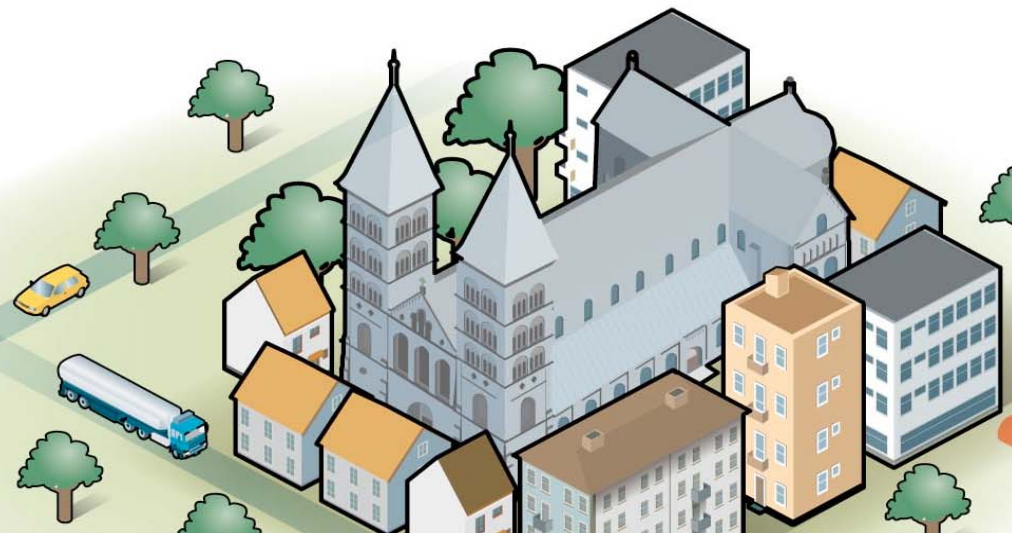


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RESPONSIBLE – RENEWABLE – RECYCLABLE



Responsible

- Benefits of the research for society must be much greater than the costs, in money, in energy and in environmental impact.
- Sustainability goals will not be reached if the minimizing impacts also reduces research output.
- The energy use in the facility is nonetheless substantial, making energy efficiency a top priority.
- A goal of 20% reduction compared to baseline has been set.

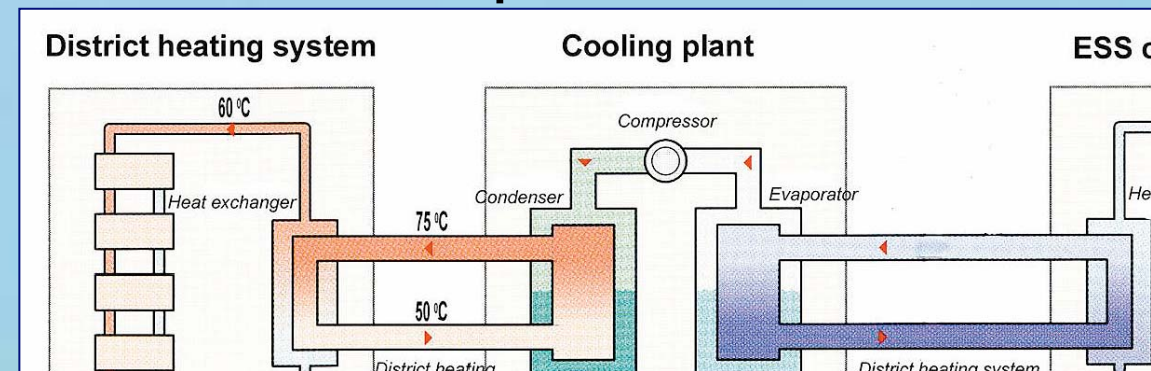


Renewable

- All energy used will be from renewable resources.
- Wind power opportunities will be explored in collaboration with leading energy companies.
- Other possibilities may be biofuel and hydro.
- Owning production capacity provides a long term financial hedge to shifting energy prices.

Recyclable

- The heat generated will be used for heating other buildings, both on site and, via the district heating system of the City of Lund, in the entire city and even in the City of Eslöv 20 km away.
- Because the heat generated in summer will be greater than the need, seasonal storage system must be developed.
- The operating temperature of the district heating system is around 75°C, compared to 40°C which is a common design parameter for cooling. Careful attention from management will be required to ensure that appropriate redesign steps are taken when possible.



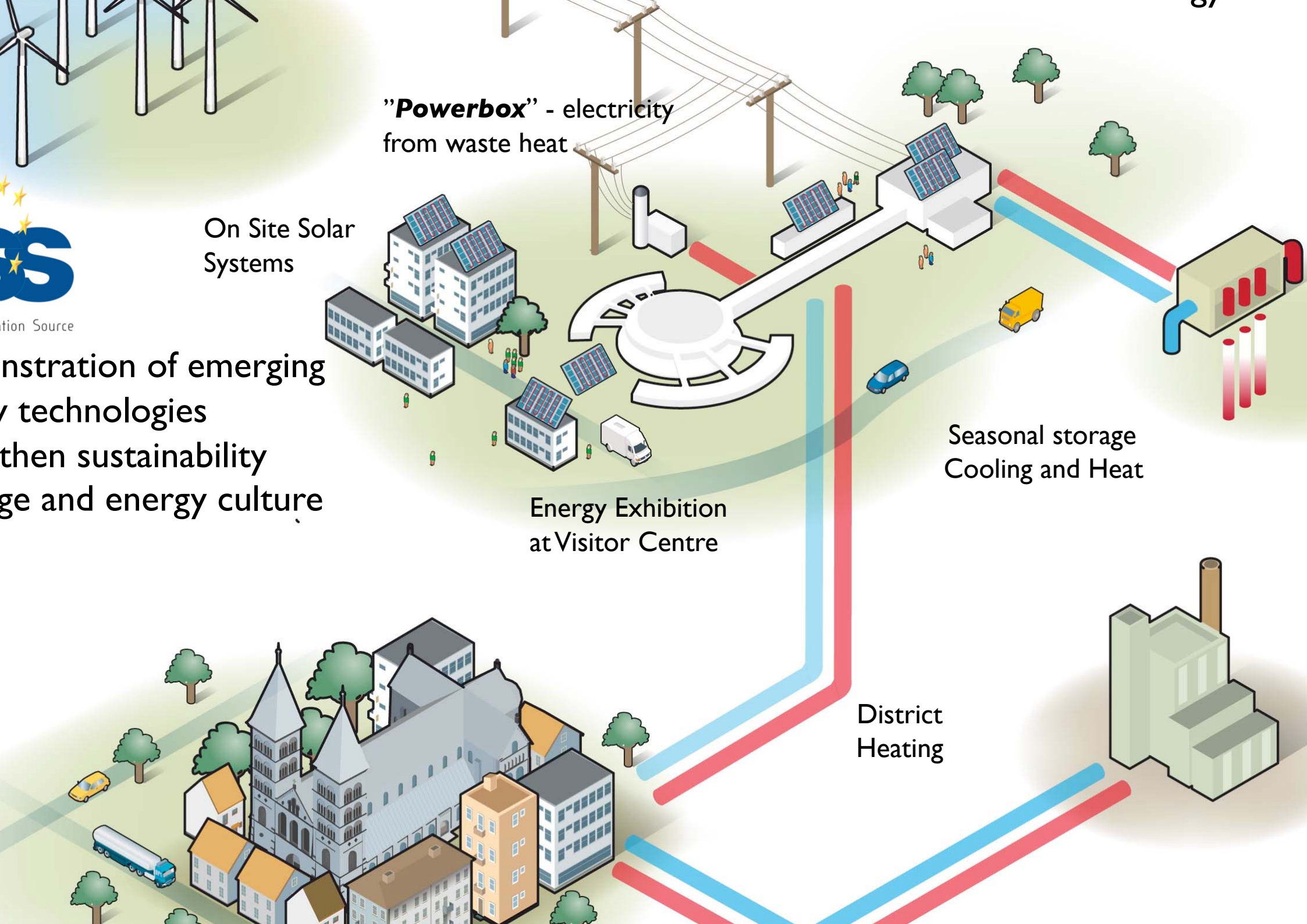
COLLABORATION COMPETITION DEMONSTRATION



Heat
recovery
opportunities

Efficiency





"Powerbox" - electricity from waste heat

On Site Solar Systems

...ation Source
 ...nstration of emerging
 ...y technologies
 ...then sustainability
 ...ge and energy culture

Energy Exhibition at Visitor Centre

Seasonal storage Cooling and Heat

District Heating