

Sustainable Energy Storage - challenges and opportunities

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ENERGY

for future generations

TOGETHER

with conscious customers and partners,
we create energy that leads the development of the sustainable society

Sustainable energy storage – necessary conditions

- Work with nature. 4 sustainability principles
- Use less (reduce, recycle)
- Choose ingredients carefully
- Think material/component/system

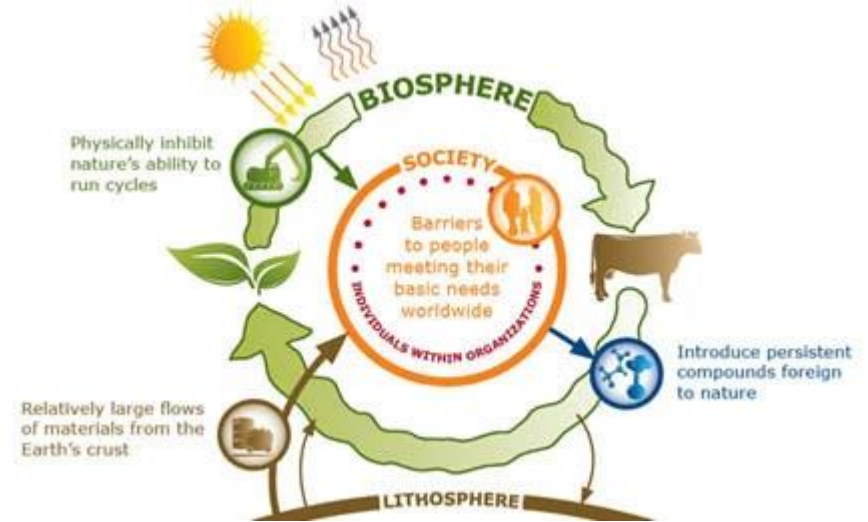


Illustration from The Natural Step

Kraftringen activities on energy storage



Hot water storage for district heating, Gunnesbo



Storage battery
(for solar power)

Krafringen current activities on energy storage

- 🕒 Battery for energy storage offer to customer
- 🕒 (Thermal) energy storage to reduce peak demands in district heating
- 🕒 Gas grid

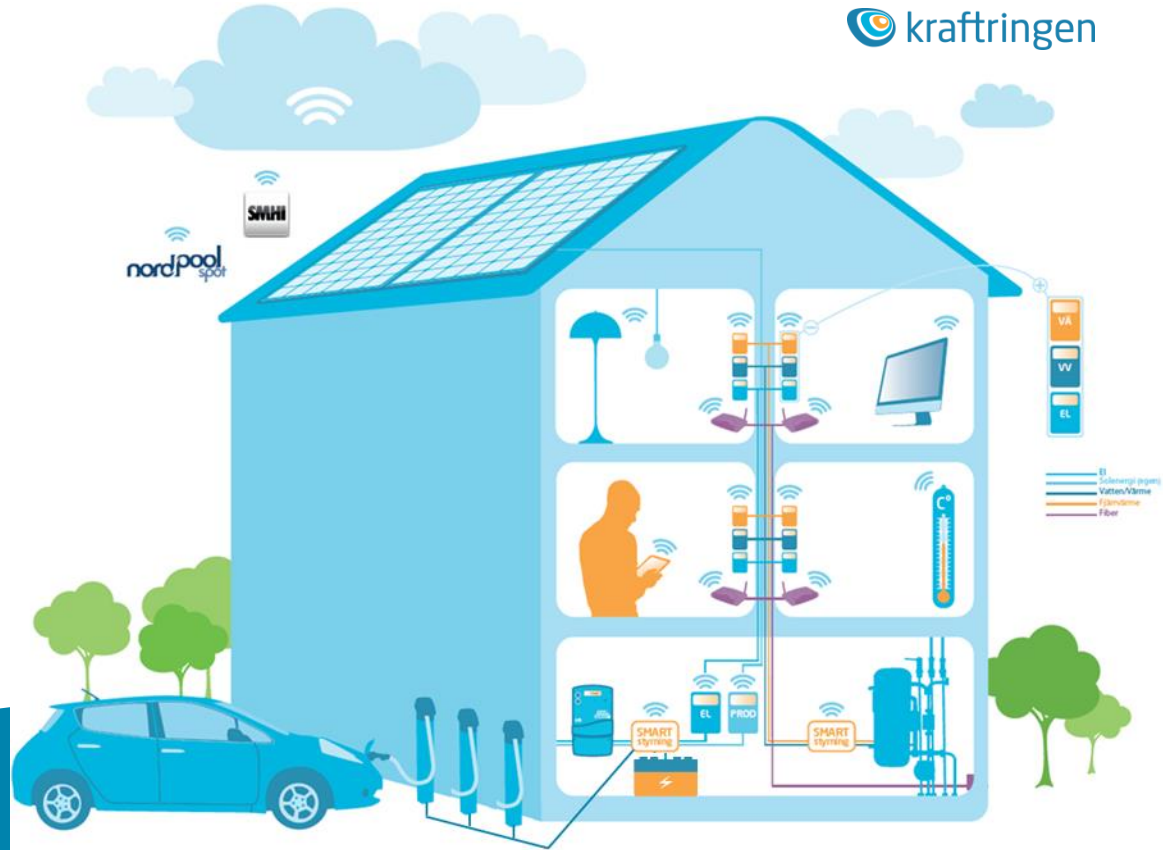
- 🕒 No overall strategy yet
- 🕒 Energy storage in distribution grid not (yet) permitted for grid owner



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Future potential

- Smarter grid
- Energy storage in distribution grid?
- The role of gas (H₂ and biogas)?
- Europe super grid?





Thank you for your attention!

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