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CZ-A

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#### The transformation of buildings Passive-house and plus-energy standards





















## **Current technologies for GHG stabilization in 50 years**



# **Current technologies for GHG stabilization in 50 years**

#### Decarbonization

- Electric power plants gas substitutes coal
- New renewables wind, thermal and photovoltaic solar
- Carbon capture and hydrogen storage
  - Post-combustion carbon capture and storage in electricity generation
  - Pre-combustion carbon separation and hydrogen storage as substitute for fossil fuels
- Carbon sinks

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### The 3 x 50 strategy

Transition to a 2.000 Watts energy system

Energy Services	2005 100,0	20??	
		150,0	+50 %
Energy Flows	100,0	50,0	-50 %
Of which Renewables	25,0	37,5	+50 %

