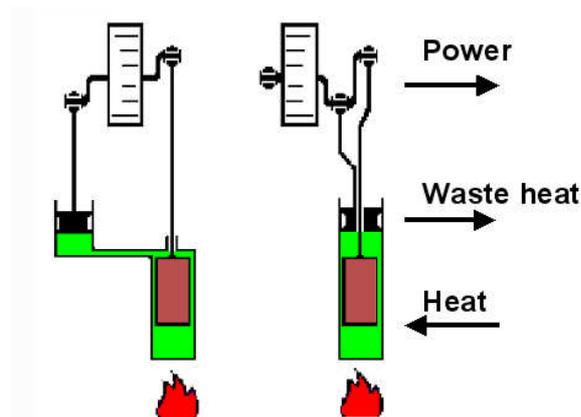
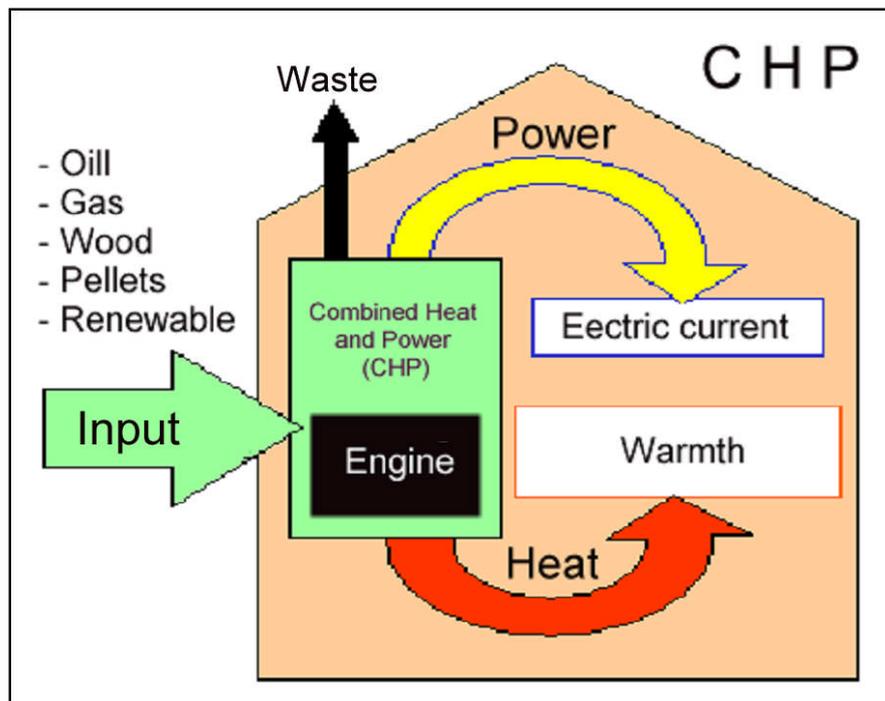


What is a combined heat and power (CHP)?

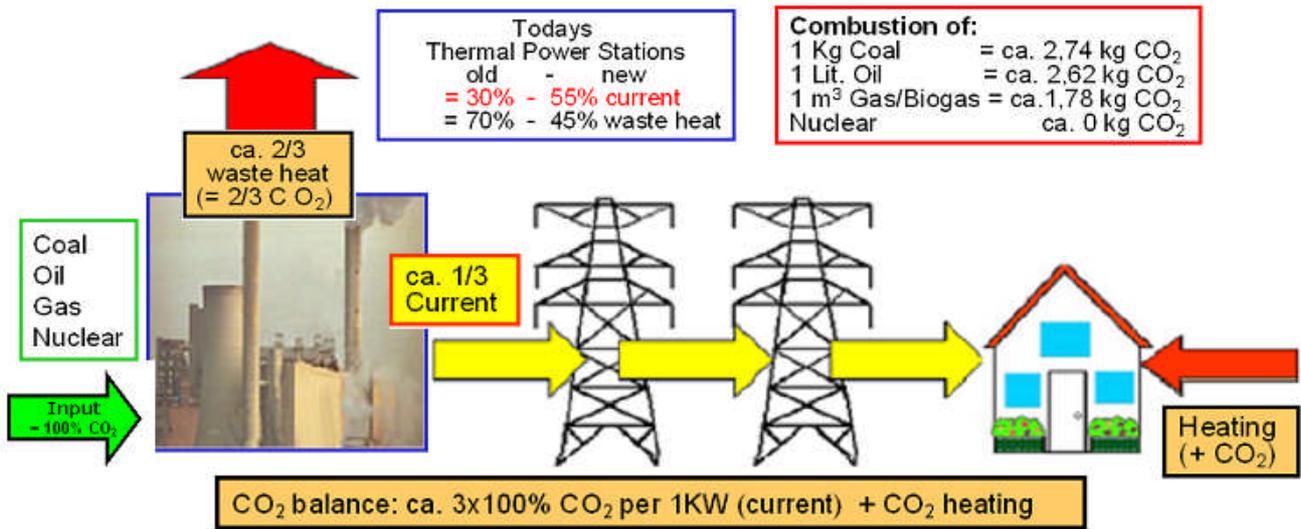


The CHP is an elegant way to reduce CO₂ without compromising our quality of life.



Combined Heat and Power (CHP?)

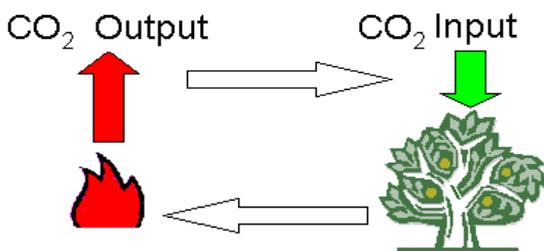
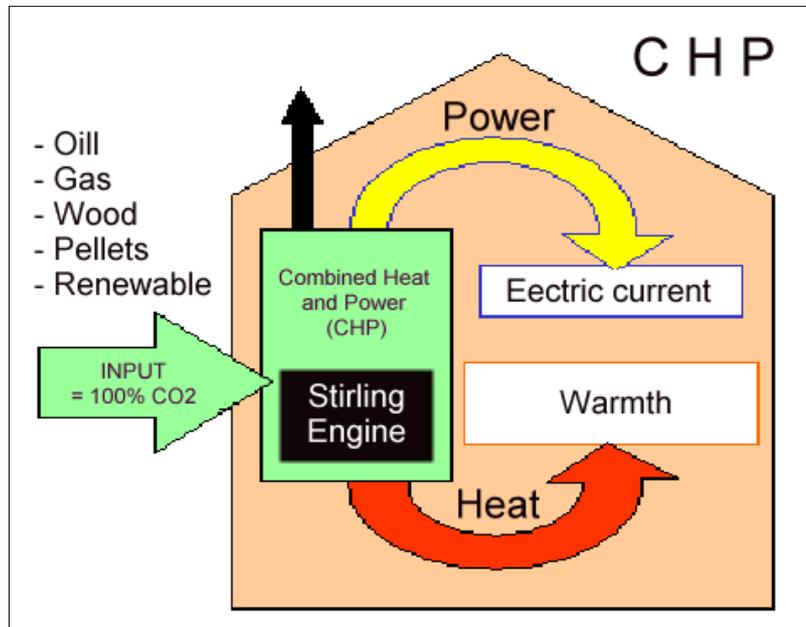
Unfortunately it is an irrefutable physical law that power stations can convert only 30 to 55% of the assigned energy into electric current. Since these power stations usually are located too far away from human settlements where the waste energy could be used as warmth, one must release this warmth into the atmosphere. Given the cheap energy prices, this is not really tragic but thereby much excess CO₂ per unit is produced unnecessarily.



Combined Heat and Power (CHP)

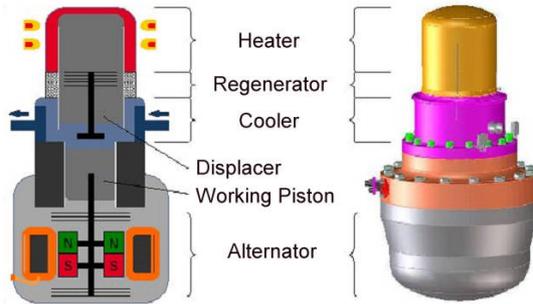
Since the Stirling engine is heated from the outside all kinds of fuels can be used - from gas, oil, etc, to biomass - it is outstanding for the production of combined heat and power (CHP) for the final user.

Thus the assigned energy can be better used and thus the CO₂ output can be reduced.



If the Stirling engine is heated with renewable raw materials, the output equals the CO₂ admission with growth, and is thus CO₂ neutral in this case.

Combined Heat and Power CHP



Gas-driven CHP from
BOSCH-THERMOTECHNIK
Free Piston Stirlingengine



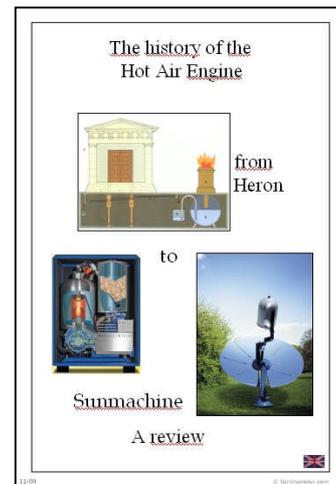
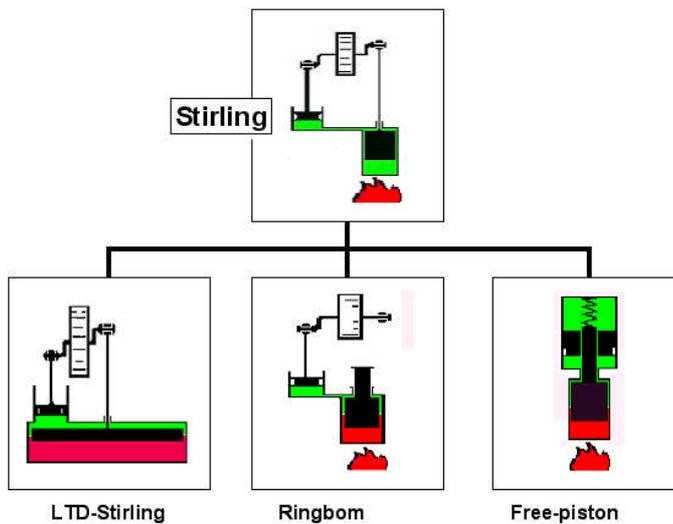
Pellet-driven CHP from SUNMACHINE GmbH, Nurnberg



Gas-driven CHP
from
WhisperGen with
wobbel plate
Stirlingengine



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