

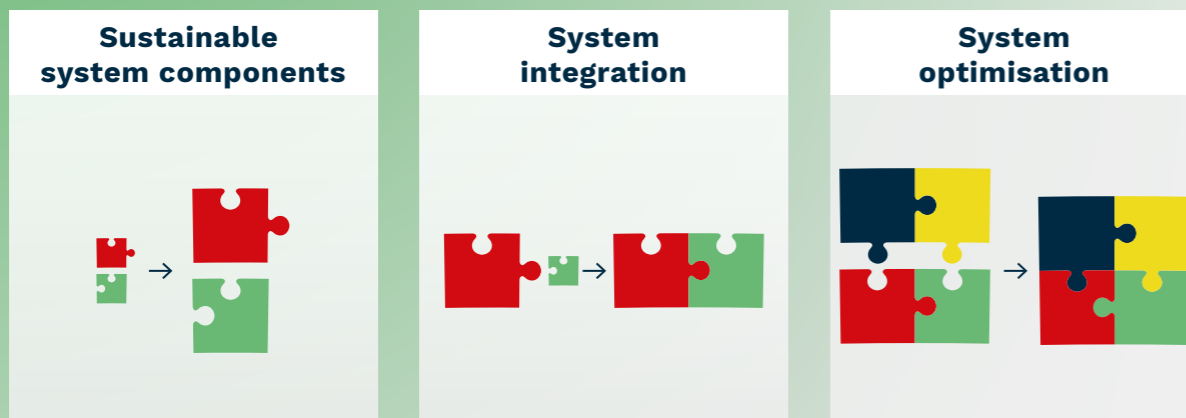
Common Futures. Working on energy system optimisation.

System optimisation: what & why

As we rapidly move towards a zero emission energy system, it becomes even more urgent to guarantee security of supply and to minimise the cost to society, to retain support for the transition.

Robust and flexible transition pathways

System optimisation calls for a shared vision of an optimal end state in 2050 and a robust and flexible transition pathway. That requires sharp analyses, open dialogue, and creative solutions.



SCALING THE ENERGY TRANSITION

	Biogas for local power production	Biomethane injected into gas grids	 Power-to-Gas
	Larger and cheaper electrolyzers	Electrolyzers close to renewable energy sources; developing a hydrogen backbone	
	Larger and cheaper offshore wind farms	Clustering offshore wind farms in energy hubs; international grid connections	 Power-to-Heat
	Net-zero energy homes	Heat transition per neighbourhood	
	More efficient, cheaper, and flexible heat pumps	Roll-out of heat pumps and renewable heat networks	 Clear system framework for renewable heat

