

Here to stay.
Gas (infrastructure) in the age of decarbonisation

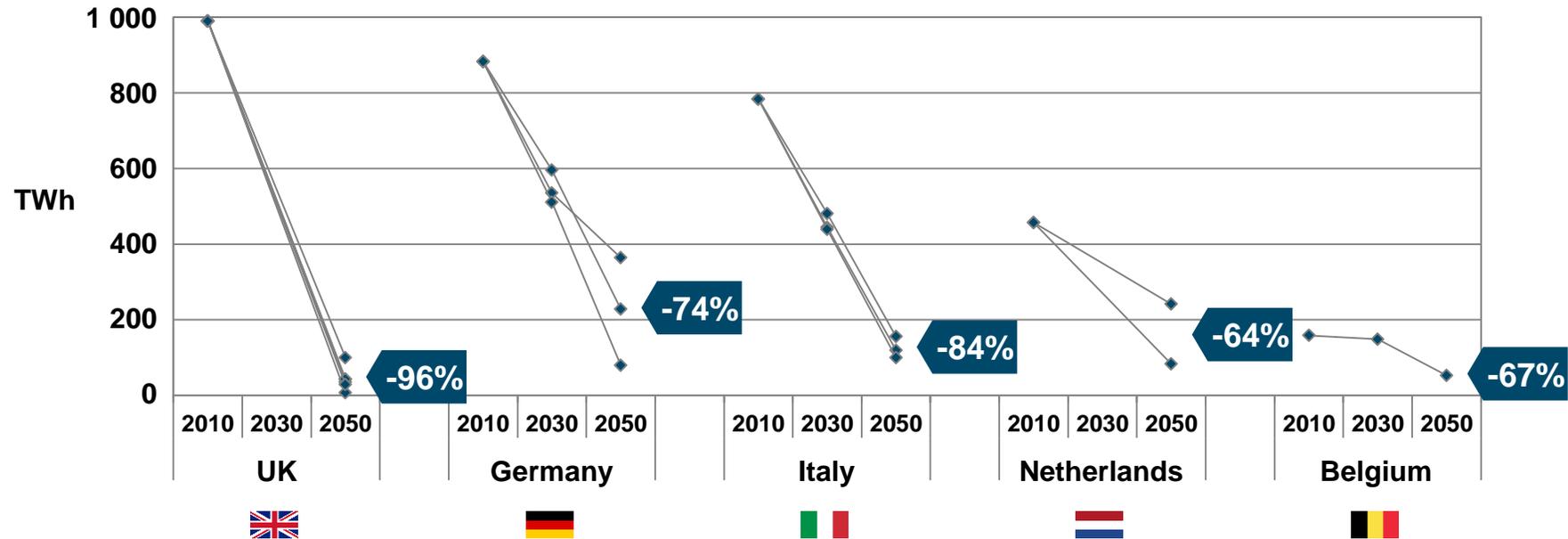
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Decarbonisation policies are poised to sharply reduce European natural gas consumption ...

Scenarios for natural gas consumption that are in line with GHG-reduction targets

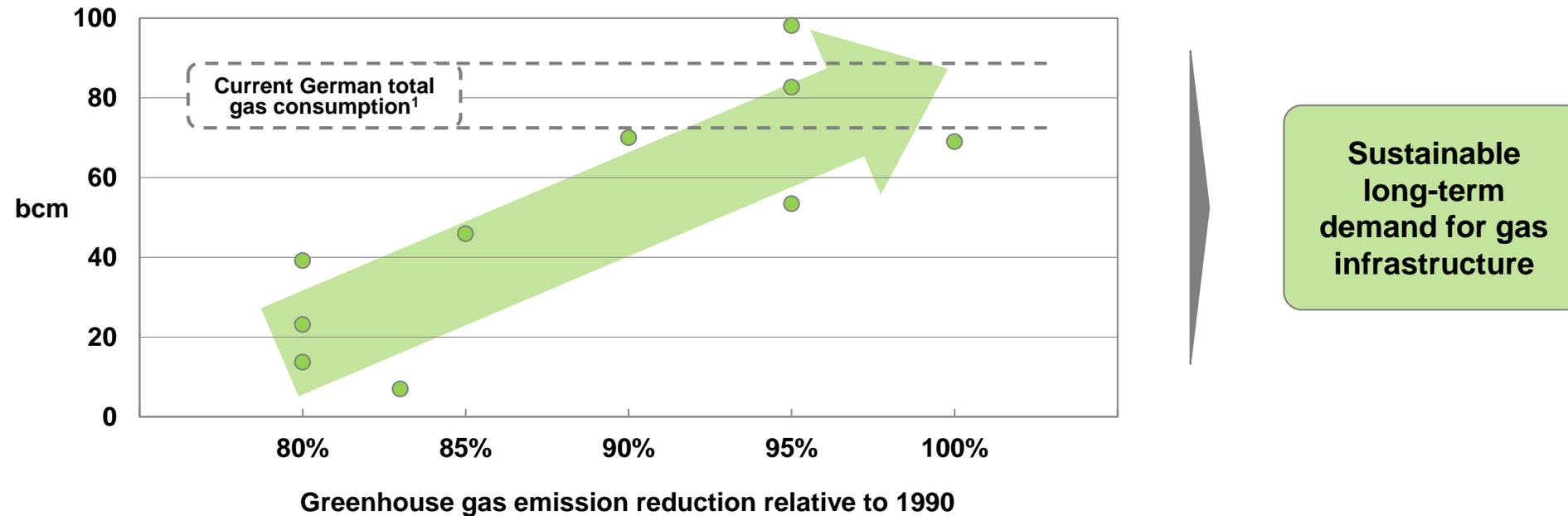


Mean reduction

... however: There is large potential for a CO₂-neutral gas industry

Example: Germany

Scenarios for German CO₂-neutral gas demand in studies on total energy system



¹ Range 2013-2015

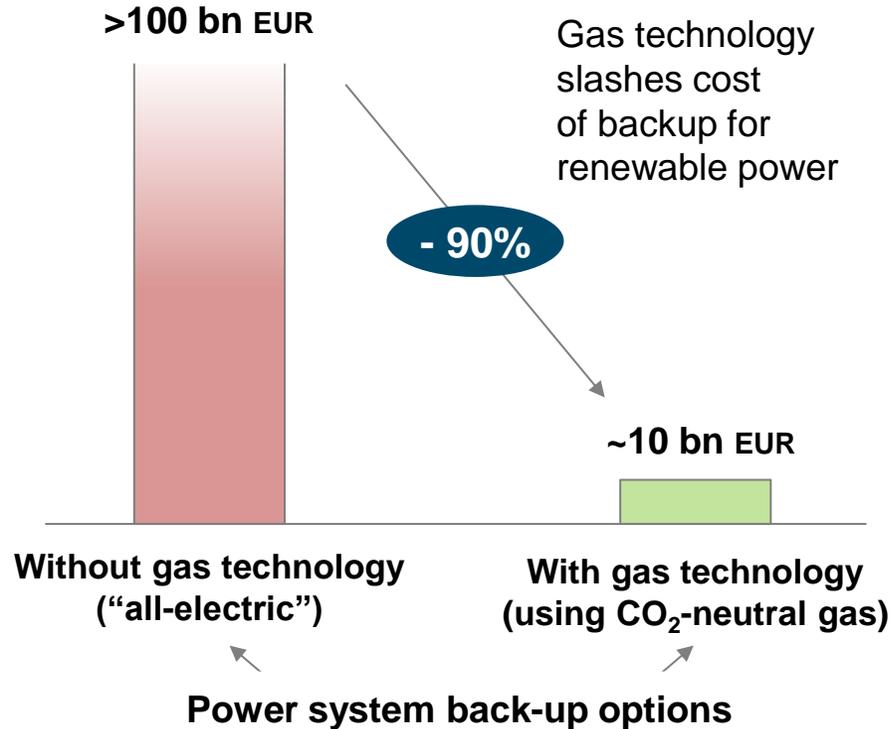
Source: Meta-Study by Wagner, Ebling & Company on nine total energy system studies for Germany; those studies were executed by a range of renowned research institutions and/or commissioned/performed by federal agencies, ministries and renewable energy associations/companies; none of the studies showing commissioning or financing by natural gas industry

(Among other uses)

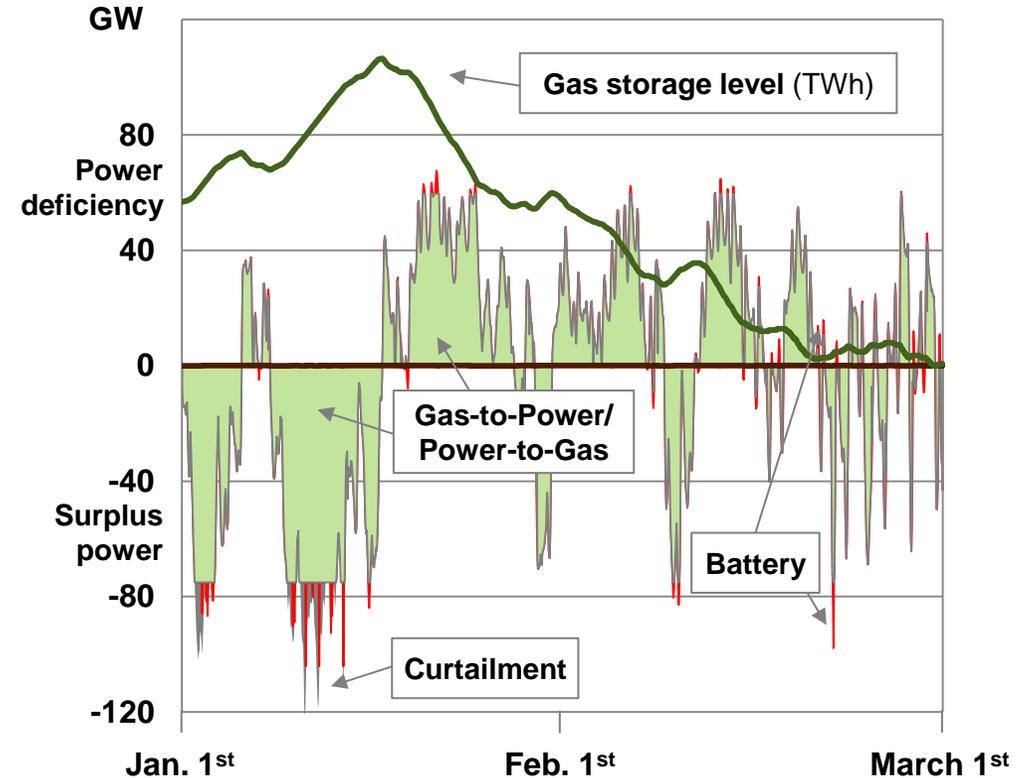
CO₂-neutral gas provides economic backup for fully renewable power system

Example: Germany

Annual power system back-up cost* (full decarbonisation scenario)

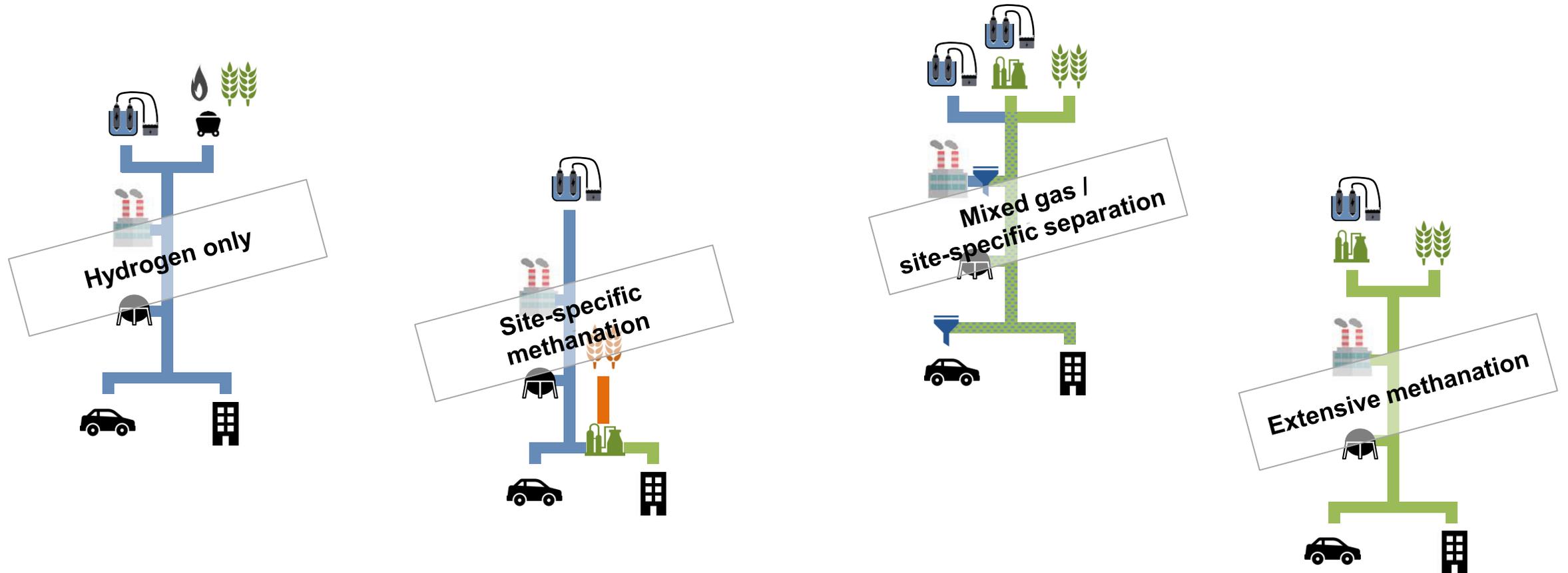


Cost-slashing use of gas technology in renewable power backup*

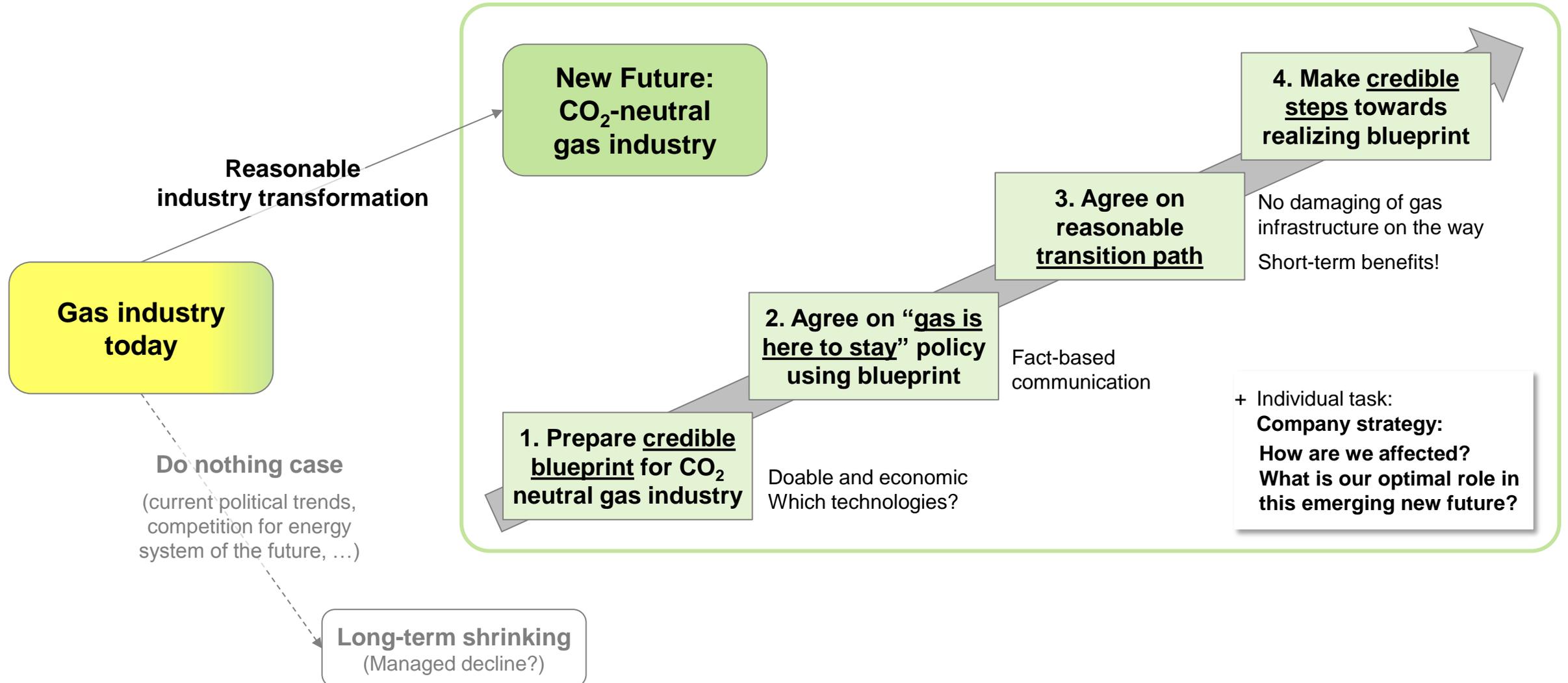


There are numerous options for the design of a CO₂-neutral gas industry

Exemplary design options for production, transmission, distribution and consumption of CO₂-neutral gases



CO₂-neutral gas industry: Win back the future and benefit today from a reasonable transition!





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- Dr. Albrecht Wagner is co-founder and managing director of Wagner, Elbling and Company, the gas consultancy.
- In his twenty-year consulting career he has advised numerous companies across the gas value chain and across Europe in company and industry transforming projects.
- Together with his colleagues from Wagner, Elbling & Company, Dr. Wagner delivers knowledge-driven consulting in areas ranging e.g. from regulatory design to company and national (gas) strategies to process design to expert opinions in arbitration cases related to gas-infrastructure.
- In recent years the future of gas in the context of decarbonisation has become a focus of his work in projects dealing e.g. with:
 - decarbonisation-strategies for gas TSOs including growth in new business segments
 - decarbonisation risk assessments for new gas infrastructure
 - establishing a renewable gas industry in a large region with numerous gas players
 - reshaping gas advocacy from the perspective of gas infrastructure
 - cooperation of gas and power for optimized energy grids
 - methods for and cost of producing, storing and transporting CO₂-neutral gases