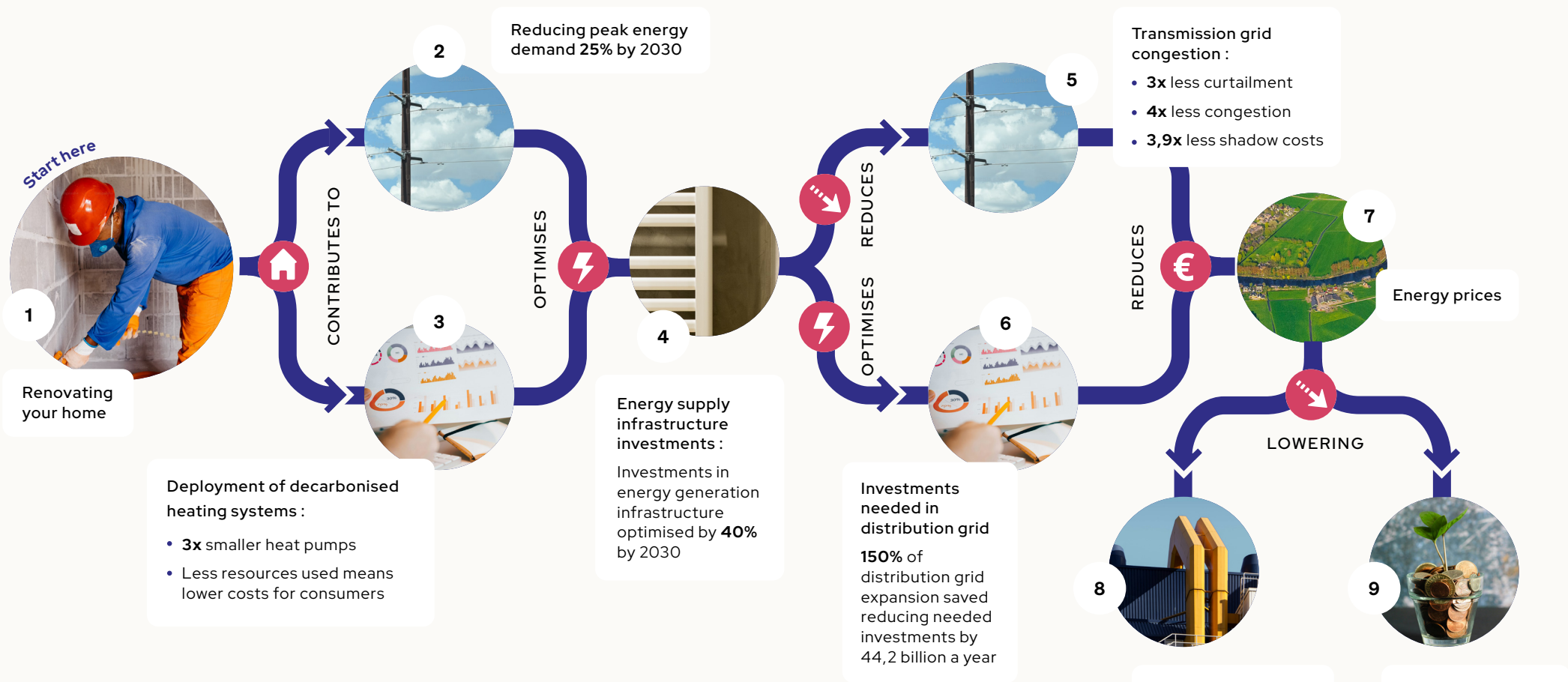


Renovation-led growth : enabling a cost-effective and secure European energy future

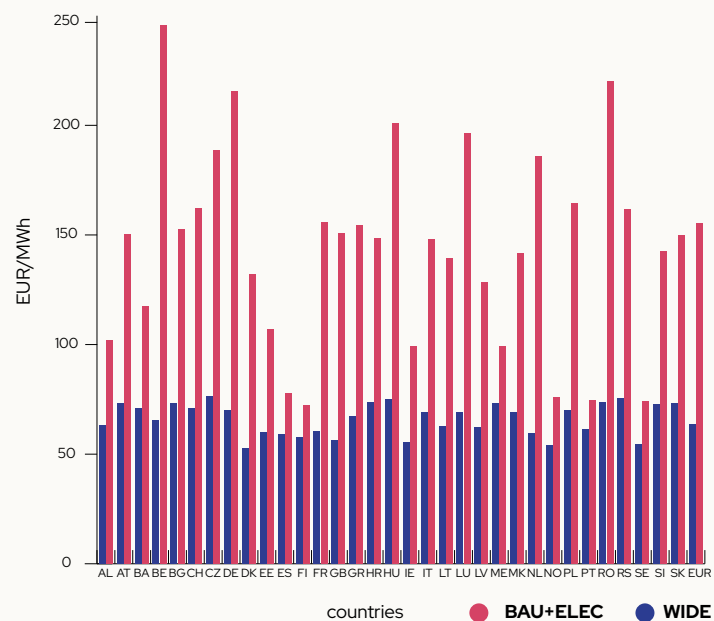


Total annual costs to achieve 2030, 2040, and 2050 climate targets

Current system costs (how much we're spending today)	<div></div>	926B
Business as usual renovation rate	<div></div>	1203B
Widespread renovation	<div></div>	891B

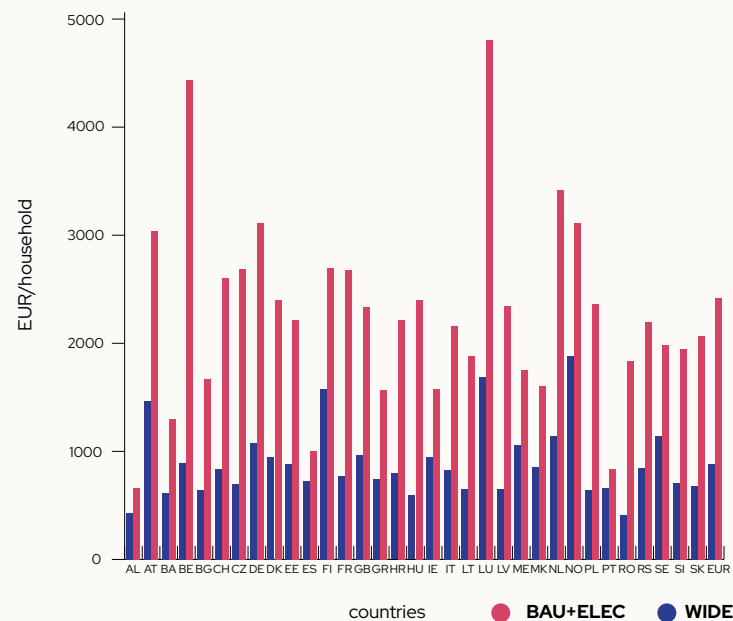
2030

Wholesale electricity price



2030

Annual household energy bills



● WIDE

This scenario allows investments in both decarbonised heating technologies and building renovations, including envelope improvements and enhanced energy flexibility. The scenario demonstrates the benefits of adopting a cost-optimal renovation rate of 2.7% within an electrified energy system.

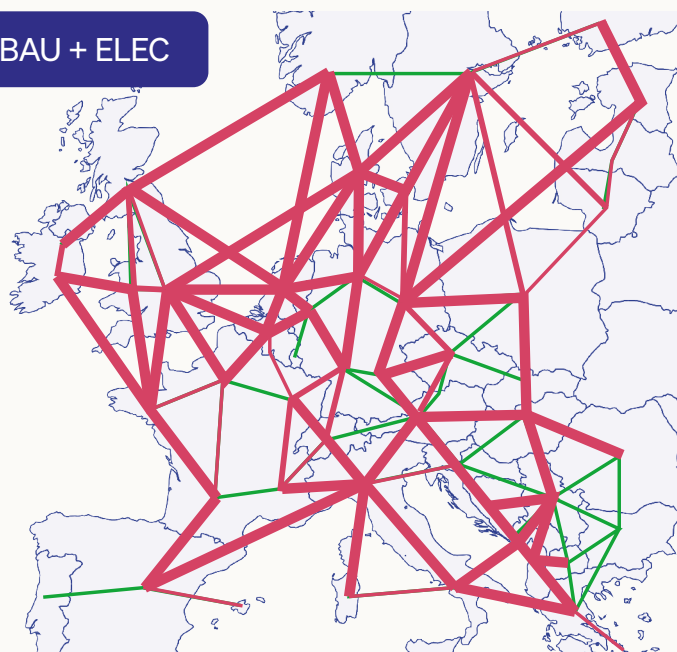
● BAU+ELEC

This scenario allows investments in decarbonised space heating technologies, with no additional improvements to building envelopes or energy flexibility. The scenario shows the consequences of maintaining today's renovation rate within an electrified energy system.

WIDE



BAU + ELEC



Marginal costs of lines :

- below today's costs
- 2x today's cost
- 3x today's cost
- 5x today's cost

Scan and explore
the full study!

