REVOLUTIONISING ENERGY USE *WITH FLEXIBILITY*

Across Europe, millions of distributed energy consuming assets are already being deployed. The opportunity now is to incentivise them to work smarter for consumers and the grid.

In February 2026, just one hour a day of flexibility from Germany's **2.2 million already-deployed heat pumps**, during the 18:00–19:00 peak, could have generated:

–17 €/MWh

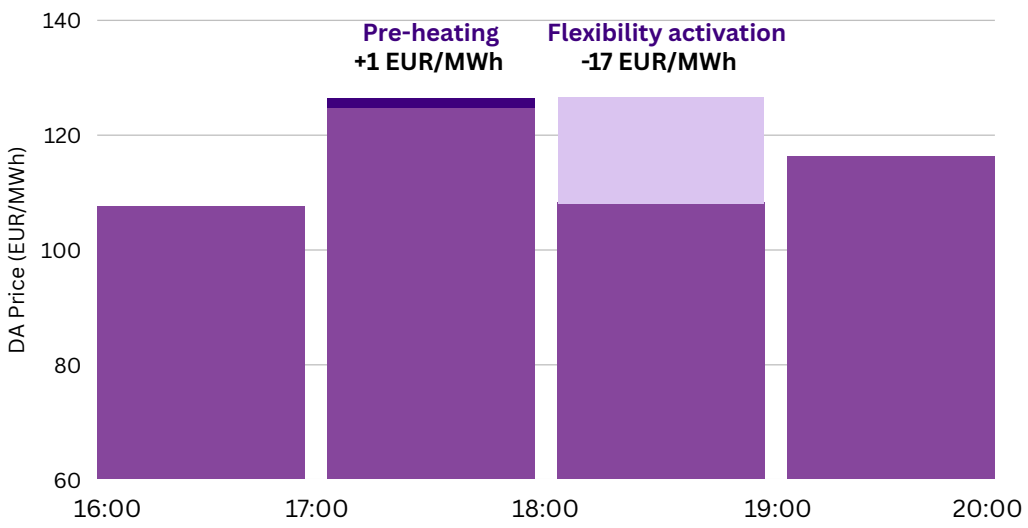
Day-ahead price reduction during peak hour (18–19) from 125 EUR/MWh to 108 EUR/MWh

–13.5%

Percentage price reduction during peak hour

€31 M

Wholesale markets savings across February 2026



The estimated savings are based on preheating buildings before the flexibility period and temporarily reducing heating during it. Savings result from shifting energy use to lower-price hours and from lower overall energy consumption, with a limited impact on indoor temperature in buildings with average insulation.

Heat pump data sourced from the European Heat Pump Association. Demand-side flexibility figures are original calculations by smartEn – Smart Energy Europe.

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In February 2026, the smart charging of Germany's **2 million already-deployed electric vehicles** could have generated:

–8.7 €/MWh

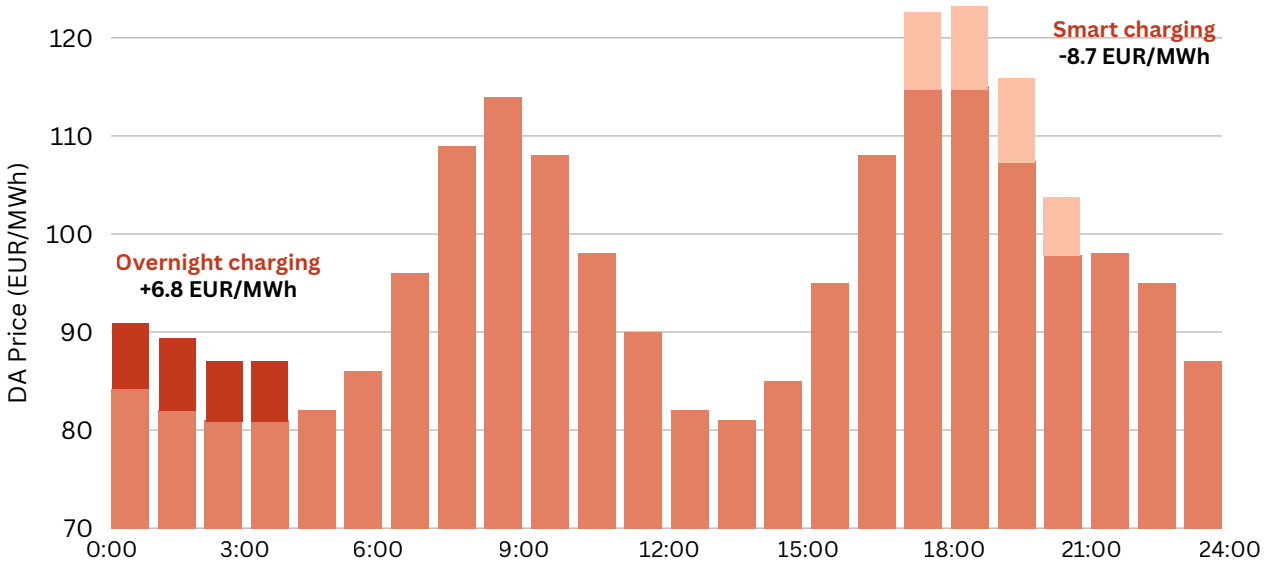
Day-ahead price reduction during peak hours (17–21) from 118 EUR/MWh to 109 EUR/MWh

–7.5%

Percentage price reduction during peak hours

€28M

Wholesale markets savings across February 2026



Demand is moved to cheaper overnight hours, reducing pressure on the evening peak while keeping total EV charging unchanged. By reducing demand when prices are highest, it can lower day-ahead prices and wholesale electricity expenditure. For the baseline comparison, German EVs are assumed to be charging unflexibly.

Demand-side flexibility figures are original calculations by smartEn – Smart Energy Europe.

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