

Longevity by Design

A myth-busting session and why EVs are in it for the long run.

Polestar



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Myth 1

EVs have a bigger carbon footprint because of the battery and are worse for the environment.

tonnes of CO₂e

67.8

5-door German Sportscar
(Petrol)

tonnes of CO₂e

21.8

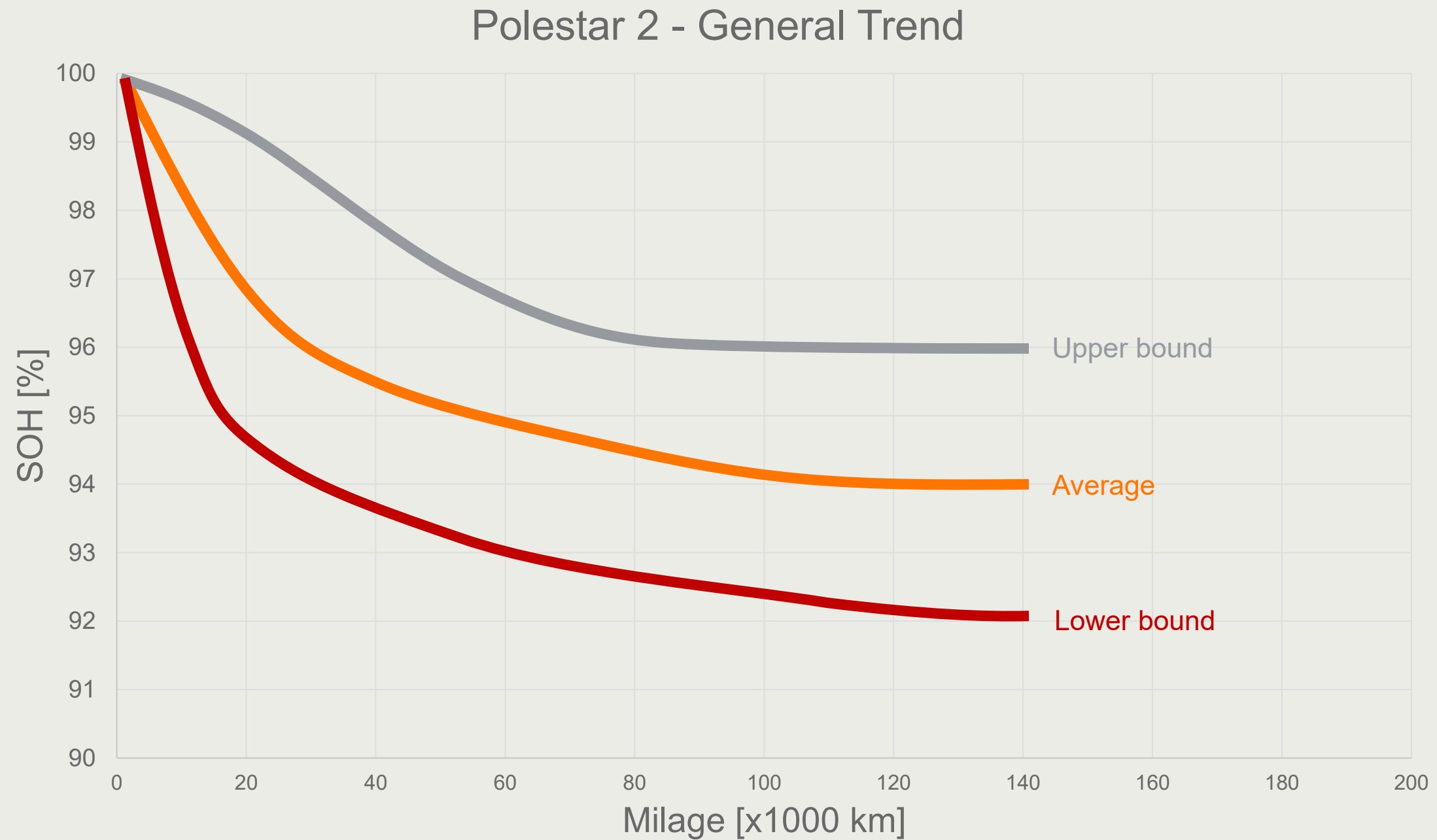
Polestar 4 LRDM
(Wind Energy)

Myth 2

Cars that are like a computer on wheels will become irrelevant when the tech gets old.

Myth 3

Batteries run out and die and end up in landfills.



Generalized battery health data from > 60 000 readouts of Polestar 2 cars

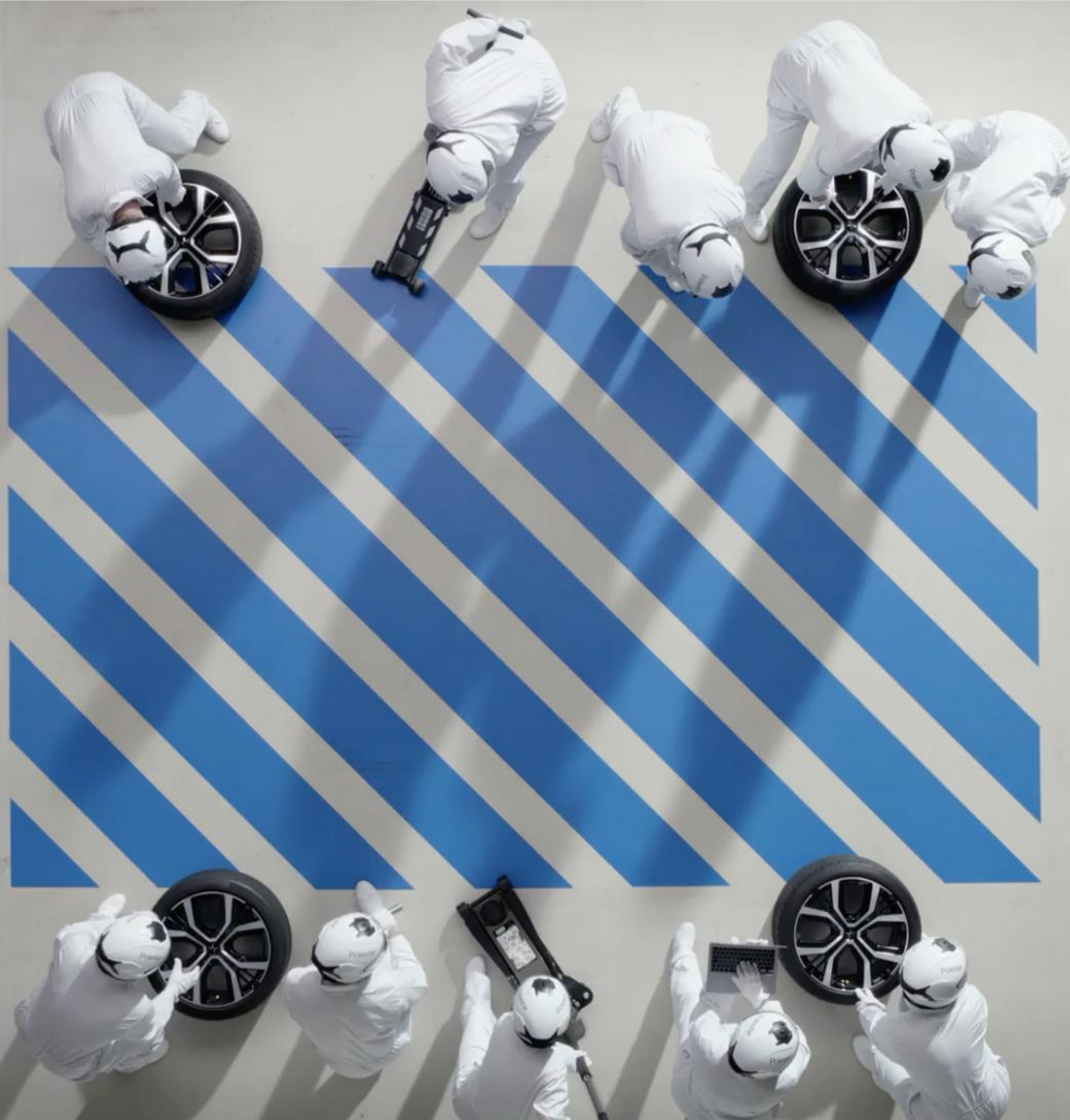
- *All markets*
- *All climate zones*
- *All battery types and model years*
- *Upper/lower bounds for 90% interval*

Myth 4

There is still no 2nd hand market for EVs.

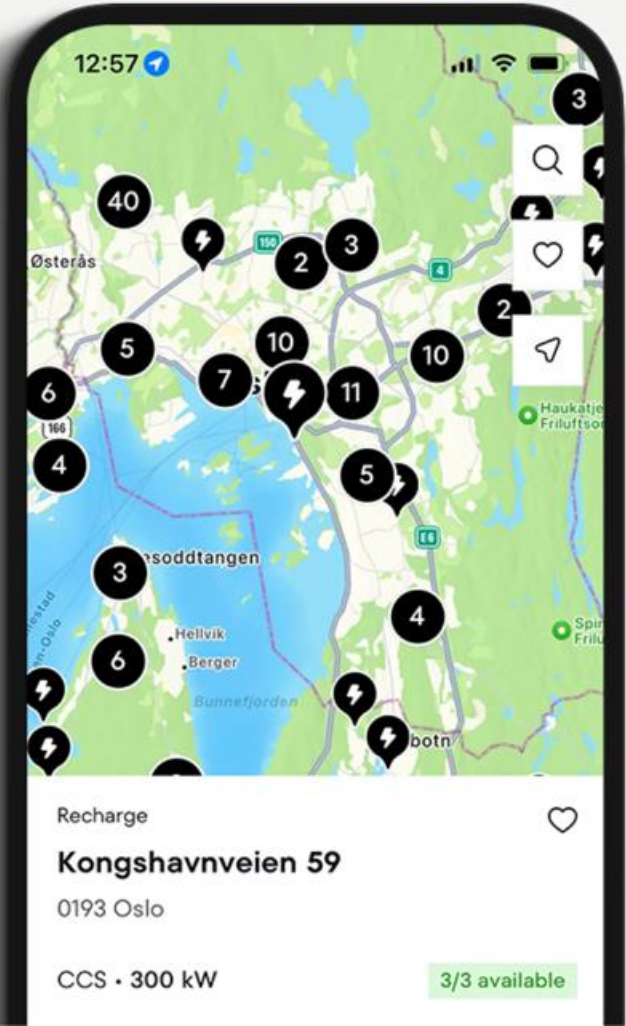
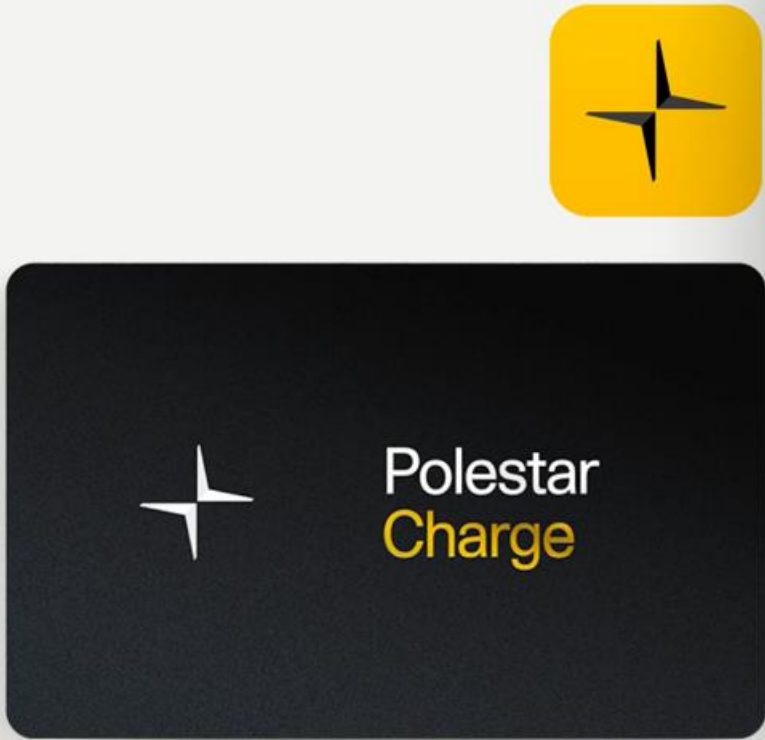
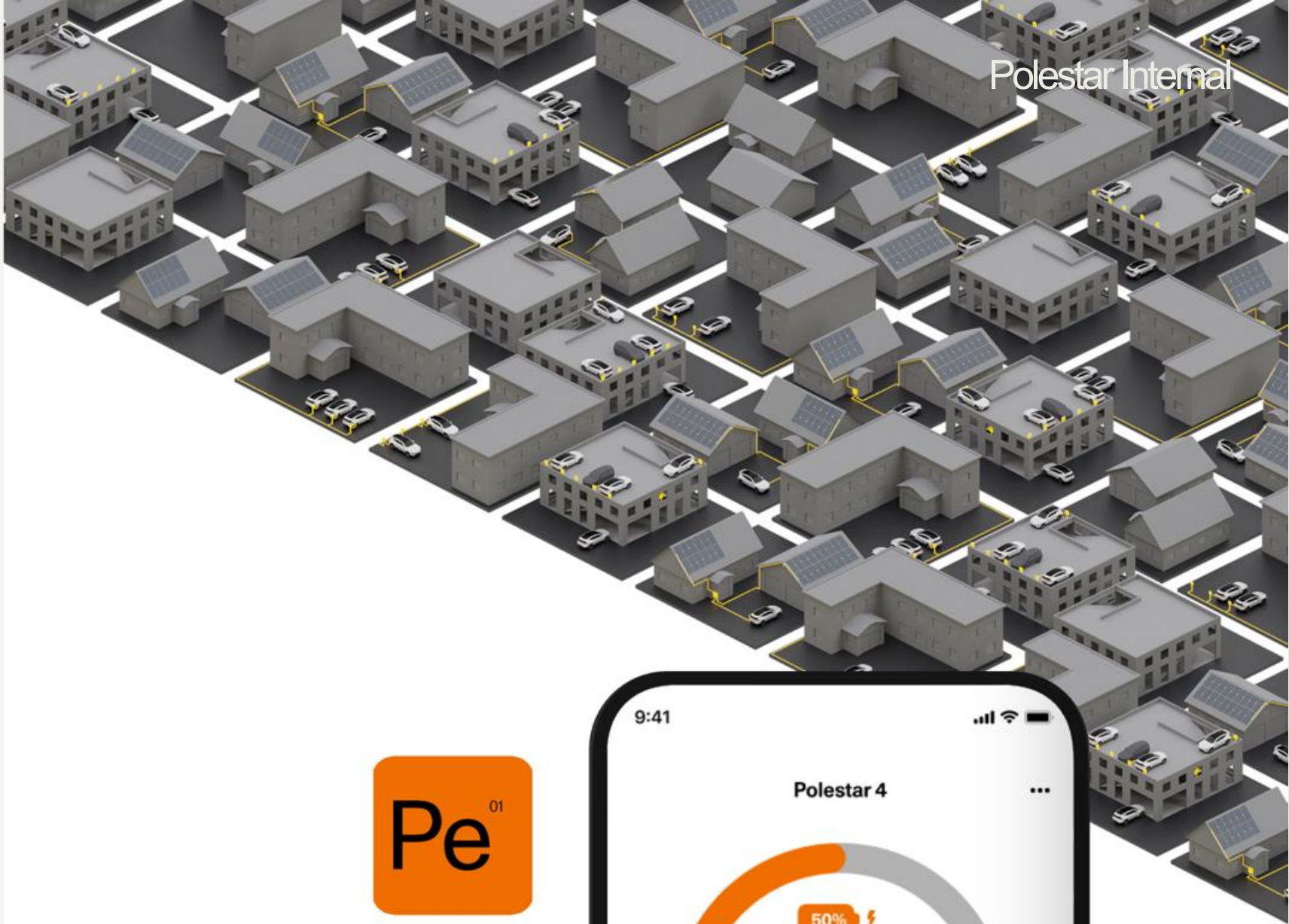
Video

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Pre-owned



Myth 5

EVs have a short range, and it is complicated to charge them.



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Energy

