

BALANCING DEVELOPMENT FROM CEPS PERSPECTIVE

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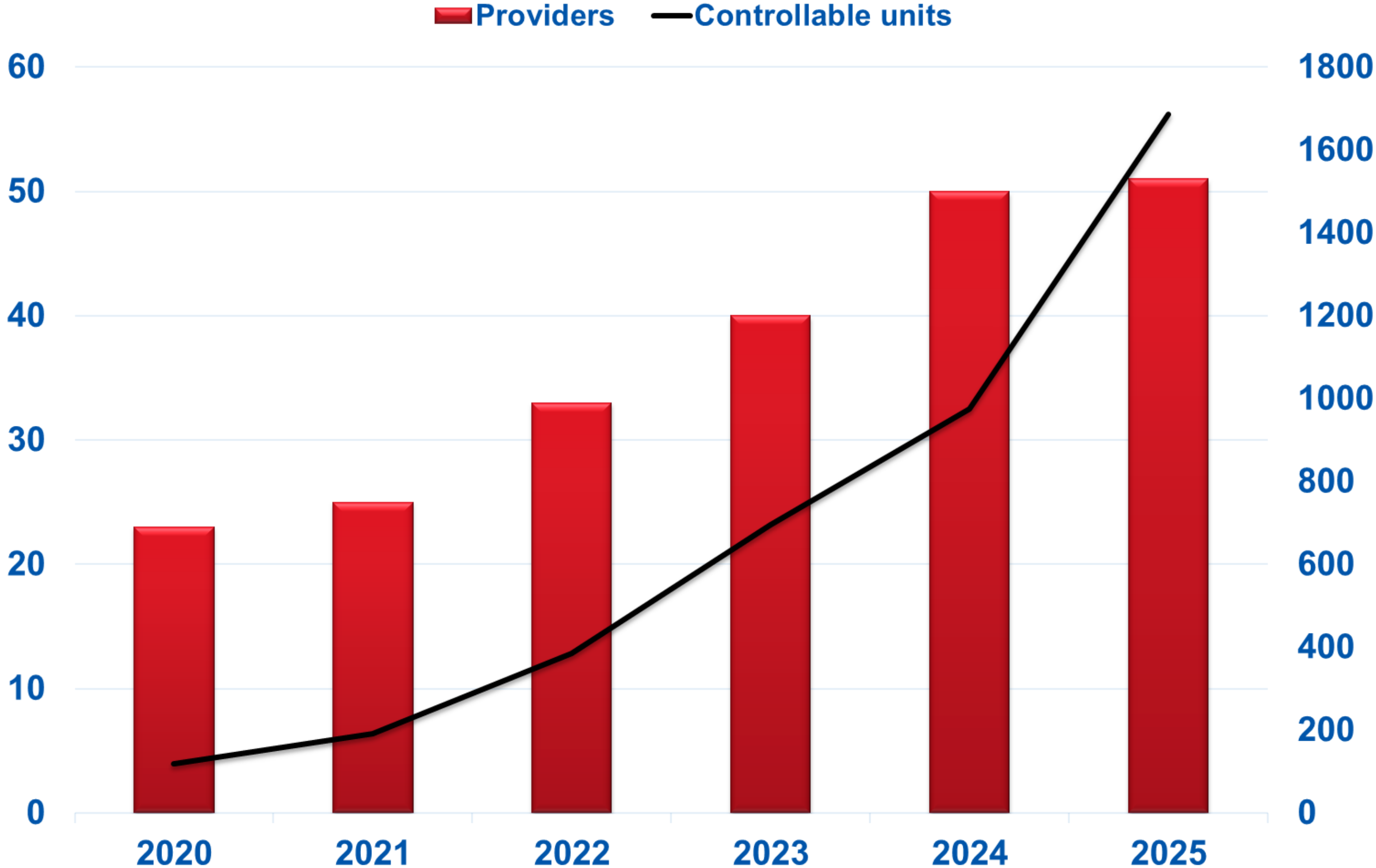
Balancing services development I

- 2021
 - Integrated aggregation
 - Stand-alone BESS charged from non-LER units
 - Minimum balancing bids 10 MW -> 1 MW
 - Balancing energy free bids
 - Digitalised workflow for prequalification
- 2022
 - Balancing energy standard products from aFRR, mFRR
 - Connection to PICASSO
 - Connection to MARI

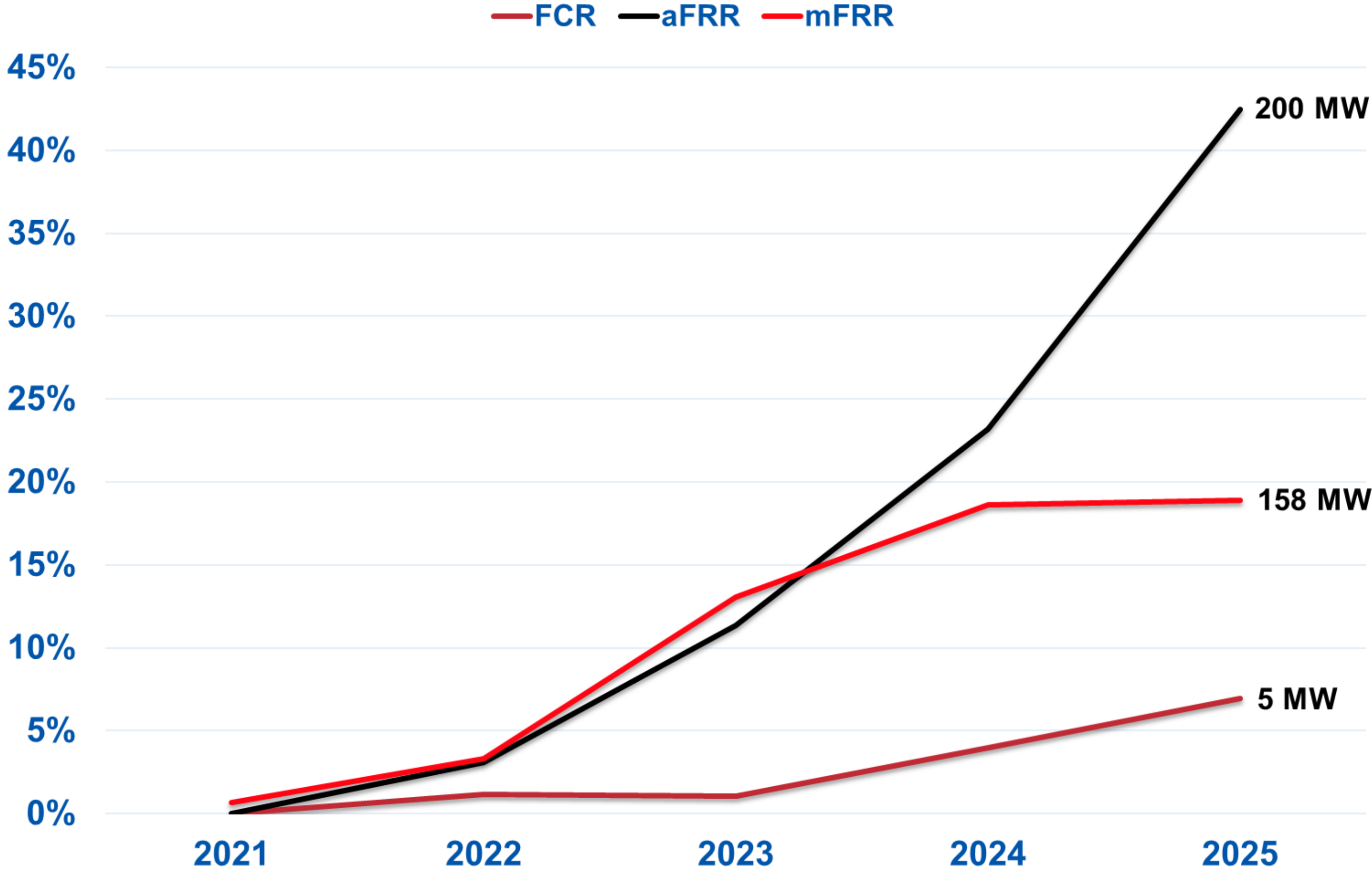
Balancing services development II

- 2023
 - Baseline methods for small controllable units (< 30 MW)
 - Connection to FCRC (common day-ahead market for FCR)
 - Digitalised workflow for prequalification of units in aggregation
 - Standard unit type prequalification for units < 30 MW
- 2024
 - Helpdesk application for balancing service providers
 - First stand-alone BESS charged from intraday market
- 2025
 - First reserve providing group composed just from household batteries

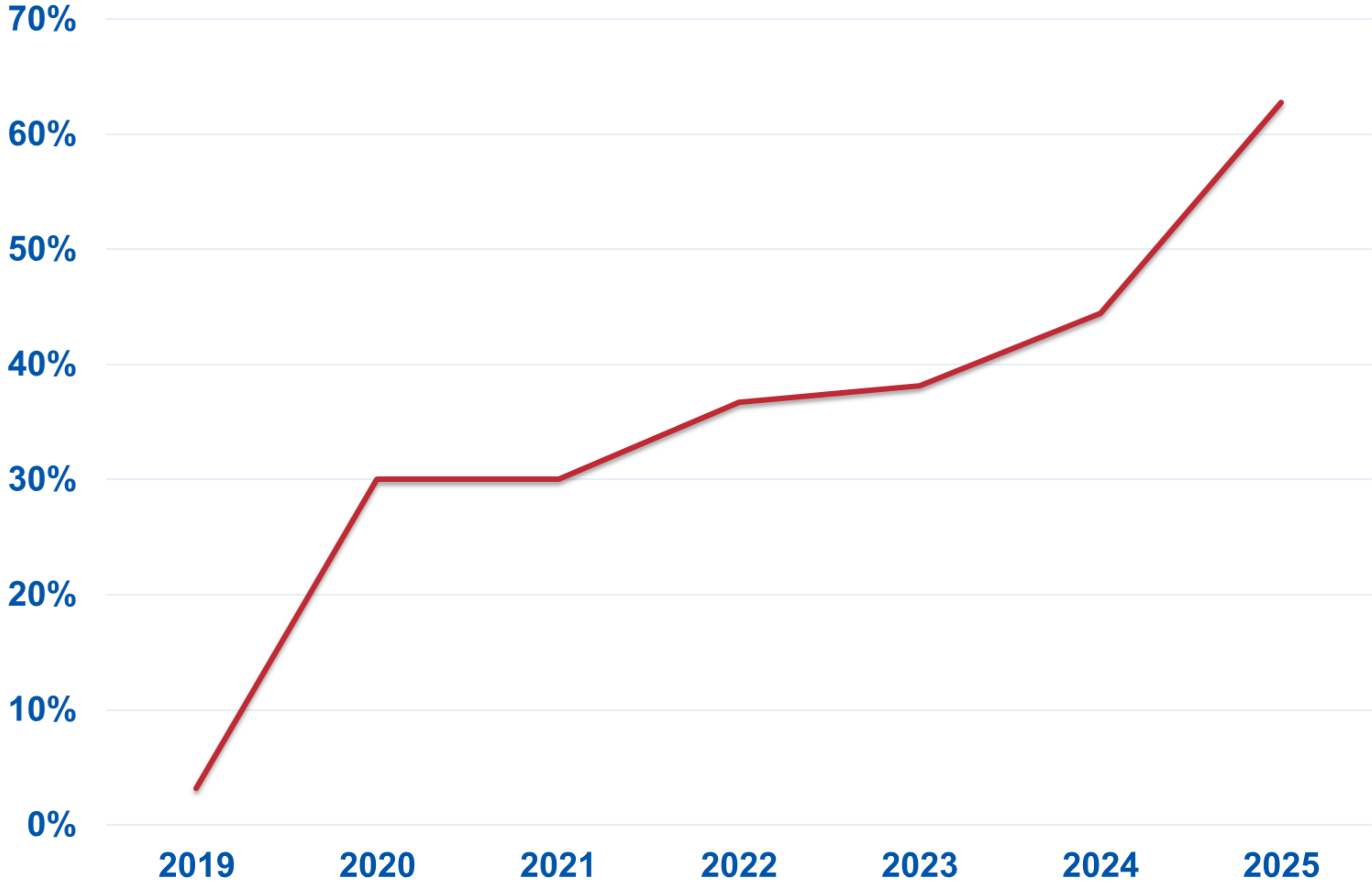
Balancing service providers and controllable units



Share of aggregation in balancing reserves



Balancing reserves from day ahead market



Next steps

- September 2025
 - Connection to ALPACA (common day-ahead market for aFRR)
- August 2026
 - Independent aggregator in balancing services
- Possible development
 - Product verification instead of prequalification

ENSURING BALANCED ENERGY FLOW

THANK YOU FOR YOUR
ATTENTION

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