

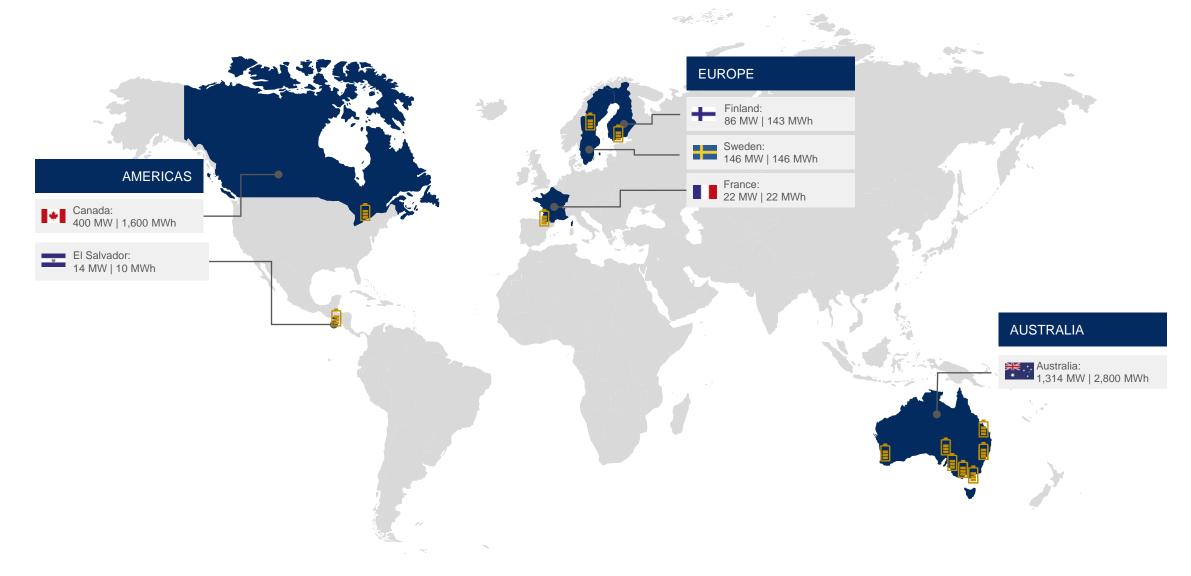


Frequency Regulation in Australia

Neoen has >8 GW of projects in 15 countries



We have 2 GW / 4.8 GWh of BESS projects secured



Hornsdale Power Reserve (150 MW | 195 MWh)

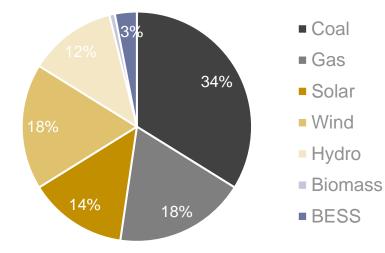


Victorian Big Battery (300 MW | 450 MWh)



Key facts about the Australian market

- Peak load is ~35 GW, installed capacity is ~65 GW
- Wind and solar now represent 32% of the capacity

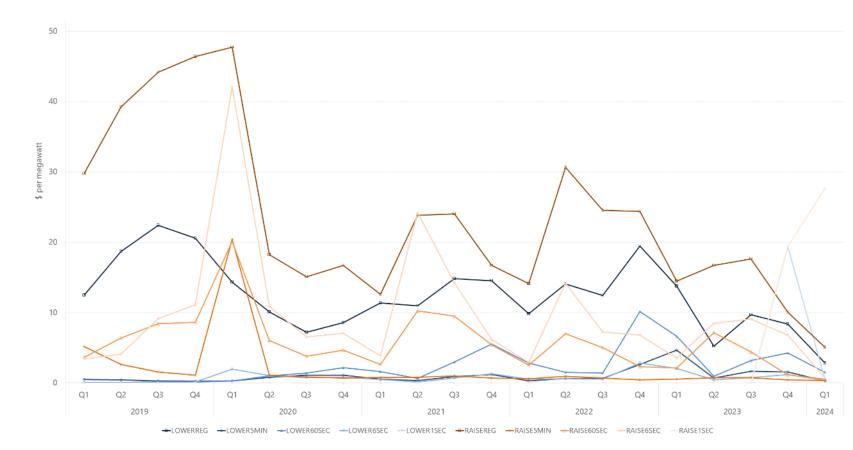


- Already 2 GW of BESS installed
- Energy-only market with day-ahead and negative prices
- Similar issues as Alberta with congestion and concentration of renewables in certain areas

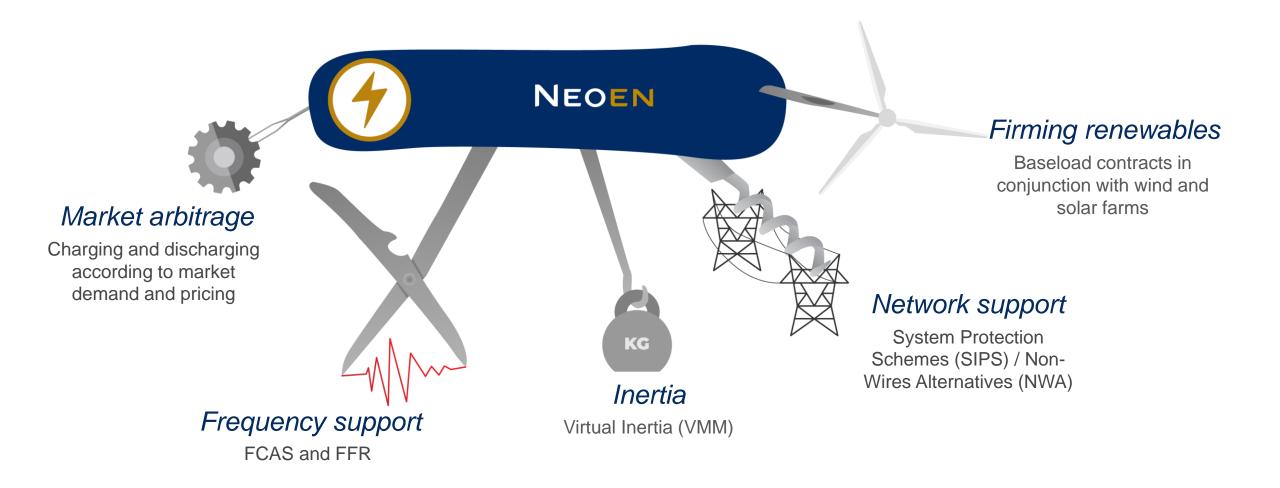


Frequency Regulation in Australia

- Frequency regulations services have been procured through markets since 2000
- 6 markets of ~500 MW each
 - 6-second up and down
 - 60-second up and down
 - 5-minute up and down
- Prices decreased in the past few years with the penetration of BESS
- A new FFR market has been launched in Q3-2023 for 1second up and down



Big batteries are all about multi-tasking





NEOEN

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