



19/5/2026

Niko Korhonen, Fingrid Oyj

Solar powering the reserve markets

FINGRID

Key figures 2025



14,900
kilometres of
transmission
line altogether

1,509 MW
New wind and
solar power
connected to the
electricity system

Transmission
reliability rate of the
main grid

99.99995 %

76.3 TWh
transmitted electricity

85%
of total
electricity transmissions
in Finland



622 employees
in average



NPS
personnel
+76

NPS
customers
+48



Turnover
1,118.5 M€

Balance
sheet total
3.7 B€

Paid income taxes
71.5 M€

Investments to the
main grid
464 M€



VALUES
Transparent
Fair
Efficient
Responsible



VISION
Clean, secure, and the
most competitive
electricity system in
Europe

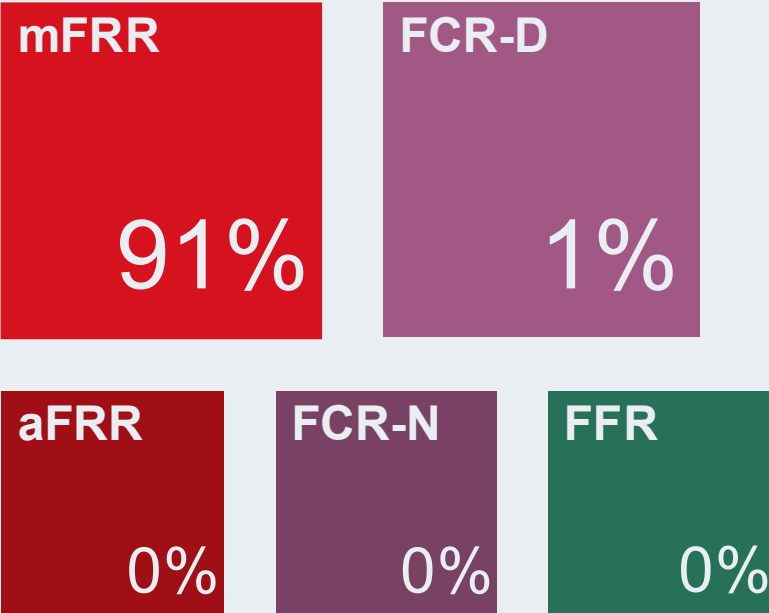


Solar participation in the reserve markets

Reserve markets now and capacity procurement 2026-2035

Solar is taking big steps into the reserve markets

Almost all solar parks (>1 MW) participates in Finnish reserve markets



From installed capacity



FINGRID

Reserve markets

So we are in mFRR, what is next?

FCR-D

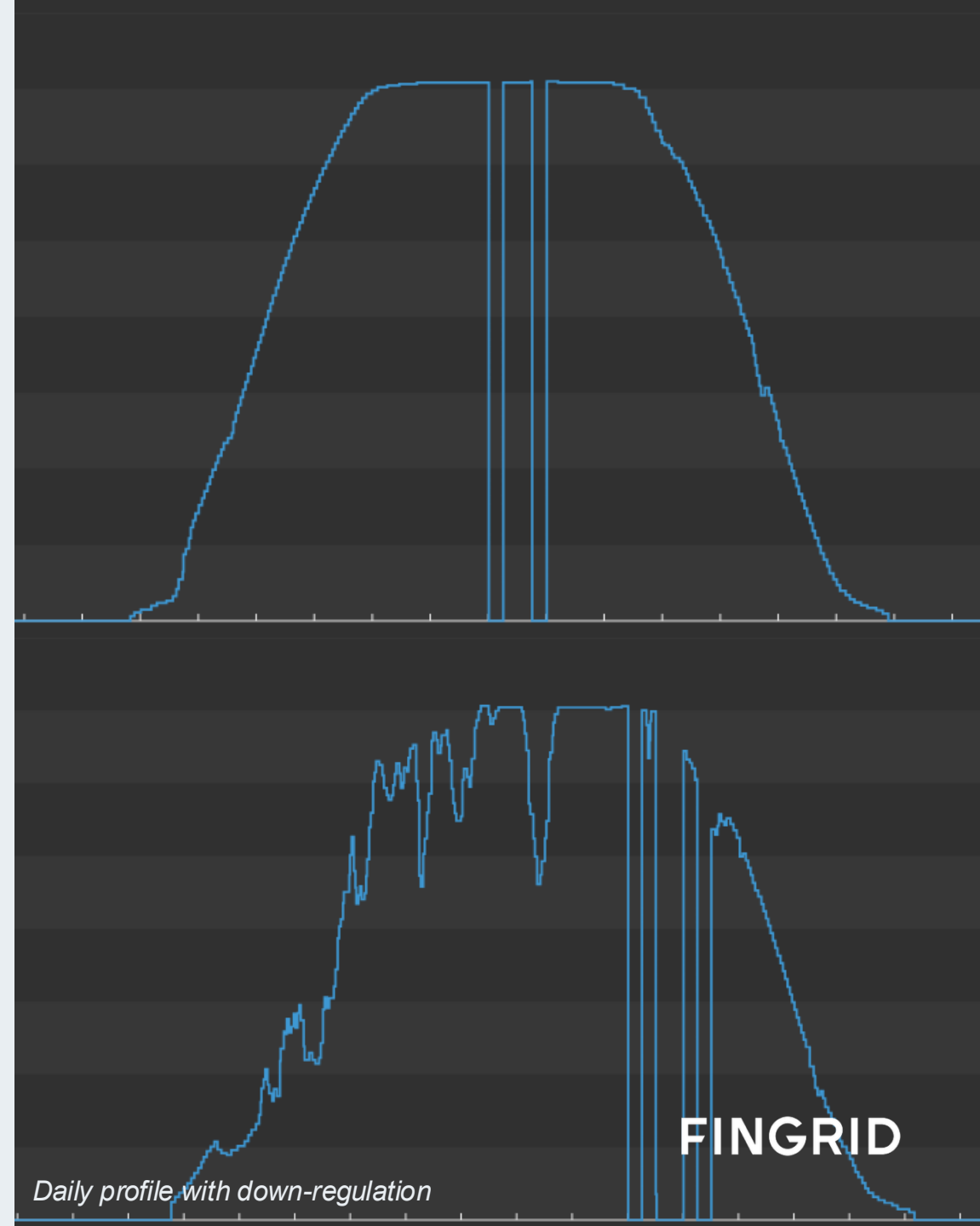
aFRR

Stable procurement on a monthly basis

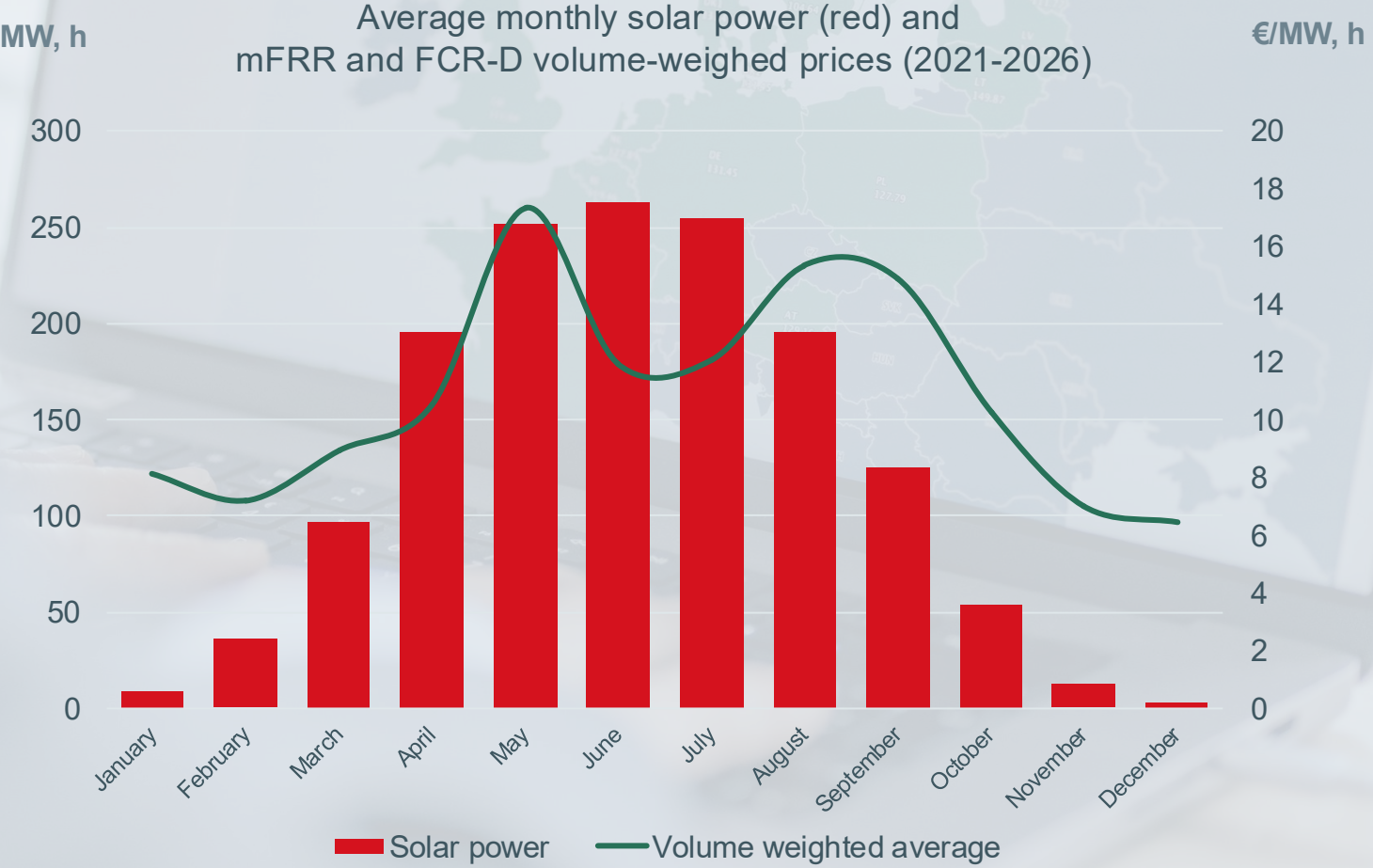
In addition to mFRR, reduces market risk with wider reserve product palette

In addition to mFRR requirements

- Approved VJV-test (grid compliance)
- A baseline with sufficient accuracy
- Reserve prequalification
- aFRR needs FEN connection

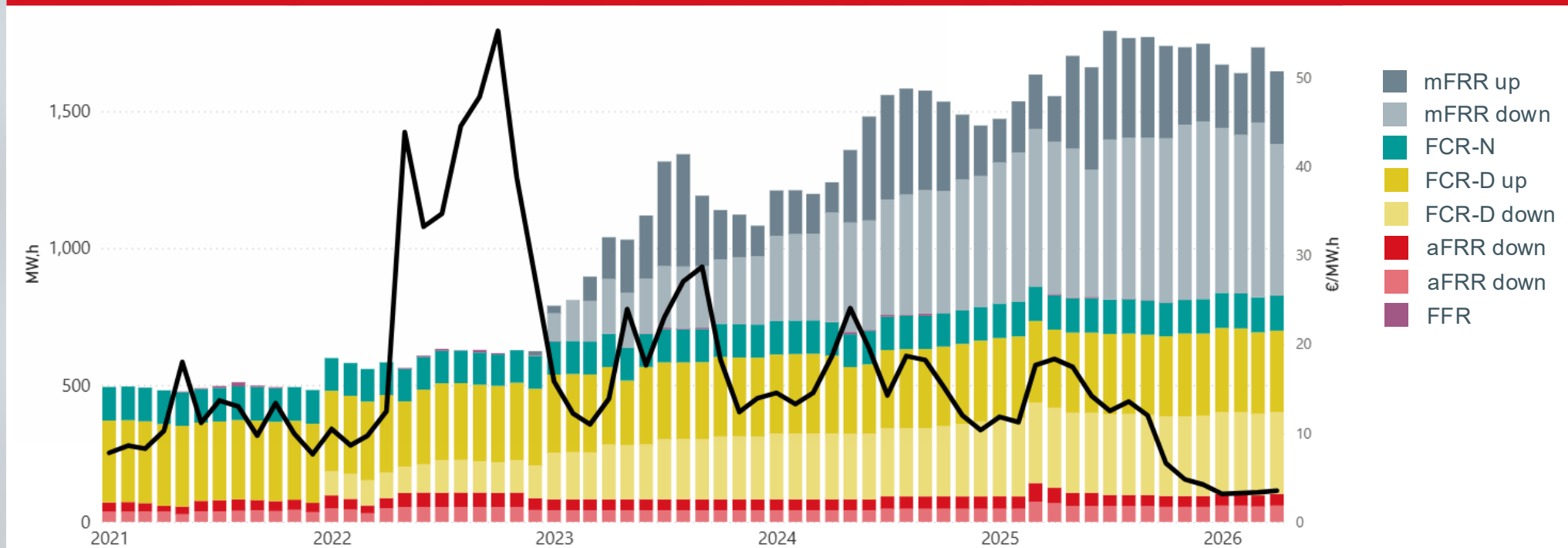


Solar power fits well to the needs of the reserve market



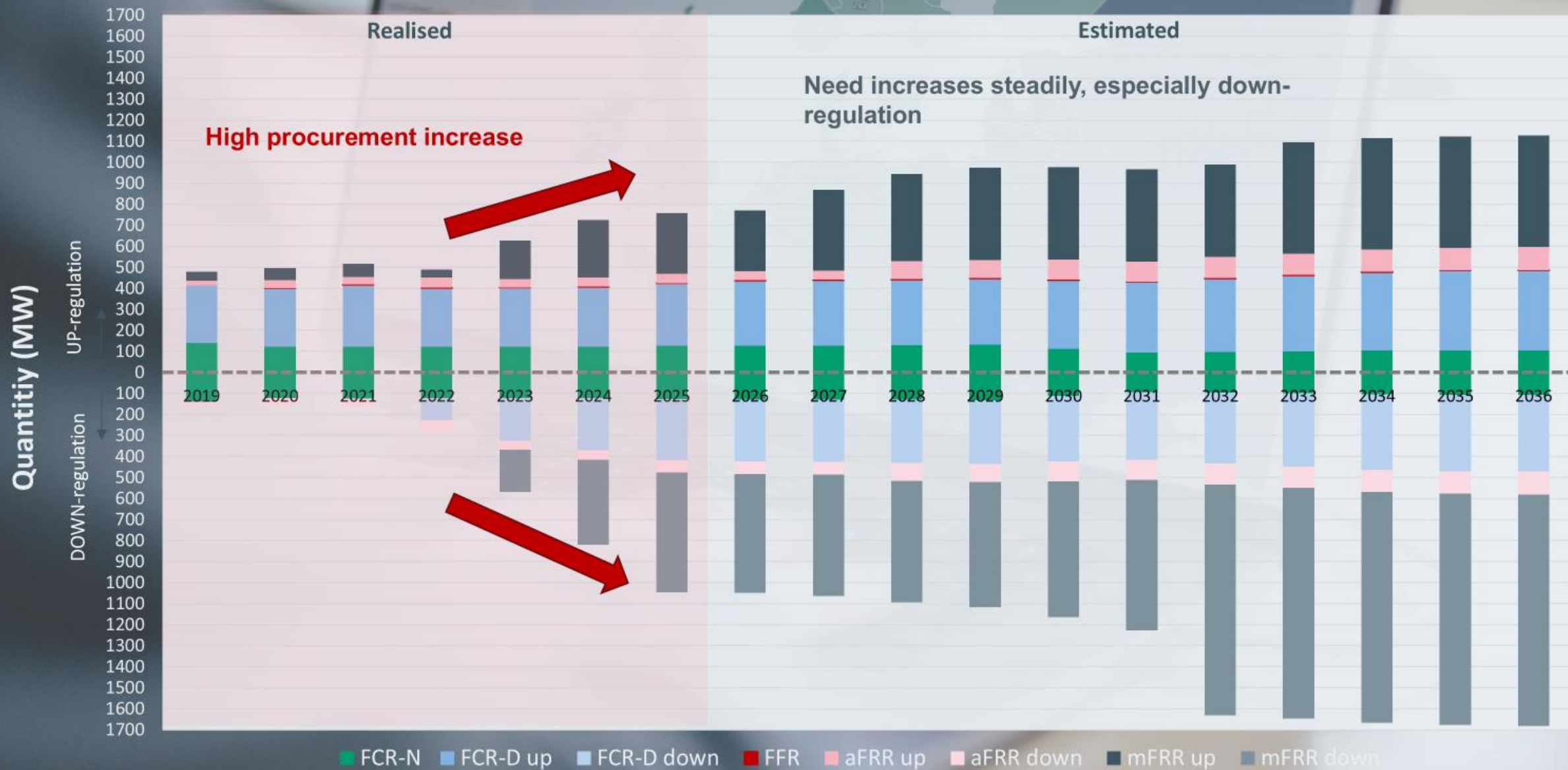
Volumes have roughly tripled while prices have declined due to rising competition

Average capacity procurement by reserve product and monthly volume-weighted average (line)



Reserve capacity procurement 2019–2036

Base case -scenario



Reserve markets Summary

Solar power participates widely in the mFRR market

automated reserves give extra benefit but requires additional task during on-boarding

Capacity procurement is expected to grow in all scenarios

especially in aFRR and mFRR, with strongest future need in products matching solar flexibility.

More competition in the reserve market

making success depends on multi-market optimization and strong operational readiness from good production forecasts



Thank you!

FINGRID