

get enspired! **2025**



Let's talk some real numbers



Juergen Mayerhofer

CEO & Co-Founder

We finally end the backtesting circus

6 key components allow us to compare different portfolios:

Duration clustering

0.9–1.5 hours ... existing setups

1.5–3.5 hours ... setups in construction

>3.5 hours ... future setups

Warranty terms

Individual warranty terms challenging to standardize for comparison

FCEs (full cycle equivalents) simplify comparison

Comparable use cases

Grid-scale FTM (front-of-the-meter)

Standalone BTM (behind-the-meter)

Co-located BTM (renewables, etc.)

Volume

Revenues should be weighed based on asset size to avoid artificial inflation of performance

Portfolio should be big enough to highlight deviations between assets

Revenue streams

Determine revenue streams for fair comparison and aggregation

Outside Germany: additional revenue streams e.g., imbalance optimization

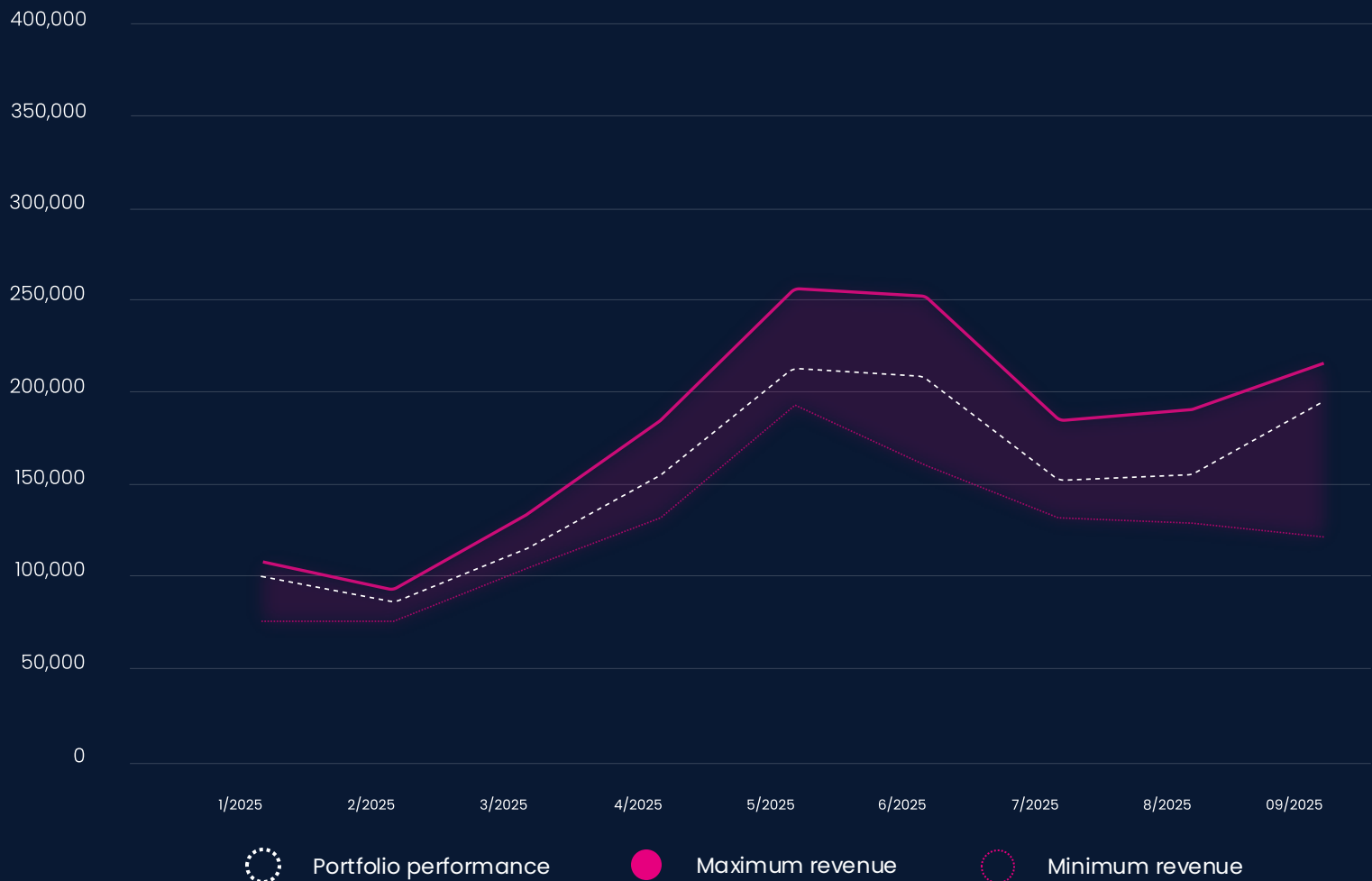
Geography

Aggregation per country

Applying the same rules for different countries enables geographical comparison

Grid-scale BESS portfolio performance 2025

Germany | cross-market | 0.9 – 1.5h duration



156K
EUR/MW/YEAR for the cluster
0.9 – 1.5h duration

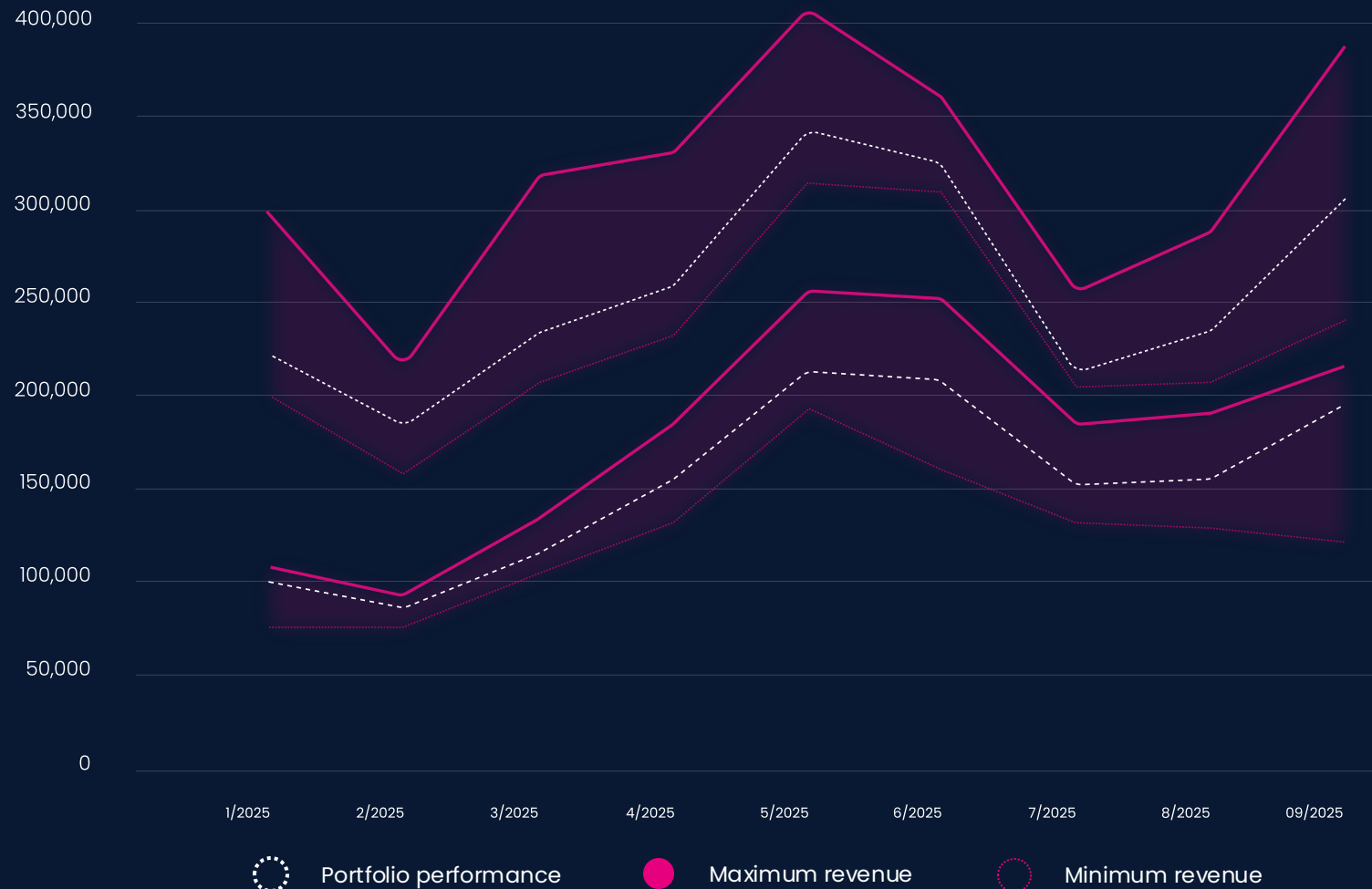
126–181K
EUR/MW/YEAR, depending on
warranty terms and duration

1.29
Average cycles per day



Grid-scale BESS portfolio performance 2025

Germany | cross-market | 1.5 – 3.5h duration



259K

EUR/MW/YEAR for the cluster
1.5 – 3.5h duration

241–316K

EUR/MW/YEAR, depending on
warranty terms and duration

+65%

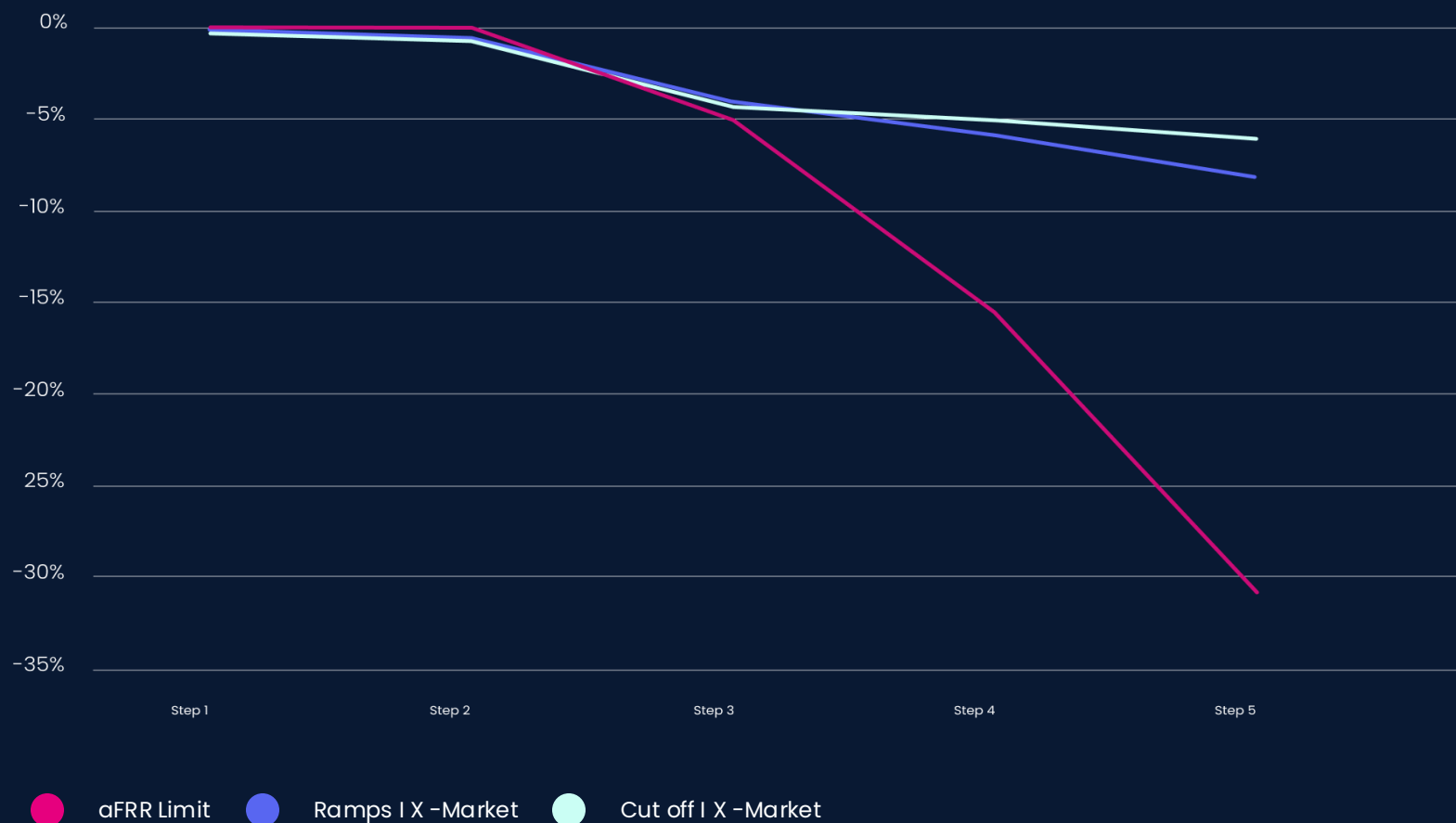
Higher revenues based on
average portfolio performance



Flexible Connection Agreements and their potential impact on revenues

Flexible Connection Agreements (FCA)

impact of selected parameters on revenues



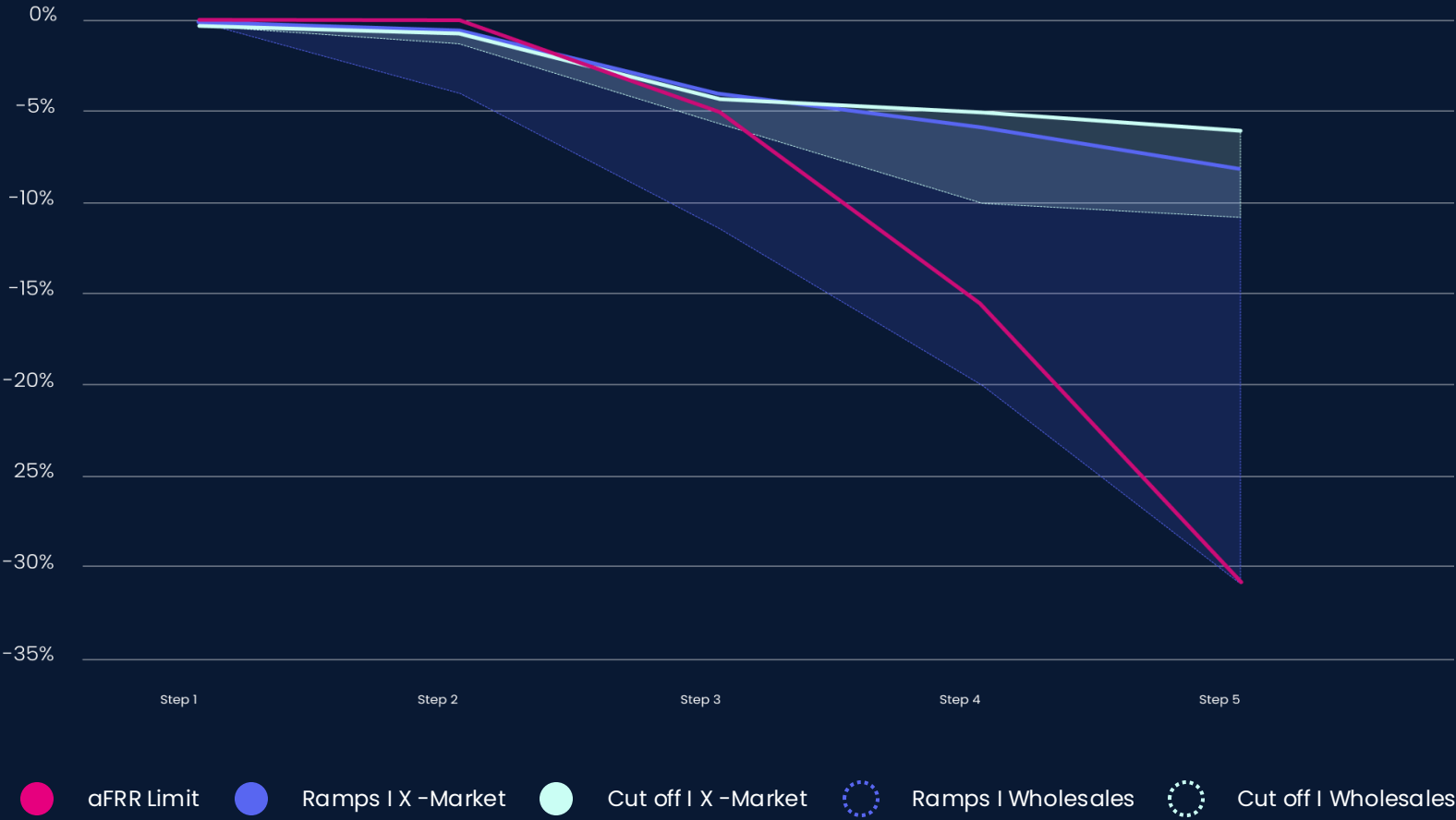
Step	1	2	3	4	5
Ramps [min]	2.5	5	15	30	60
Cut Off [min]	5	30	60	90	120
aFRR Limit	0%	20%	40%	60%	80%

FCR has no impact on longer durations

longer Cut Offs have additional Negative impact on SoC Management

Flexible Connection Agreements (FCA)

impact of selected parameters on revenues



FCR has no impact on longer durations

longer Cut Offs have additional Negative impact on SoC Management

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Thank you!

Let's connect!



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Jürgen Mayerhofer

CEO & Co-Founder

juergen.mayerhofer@enspired-trading.com

+43 664 9238213