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From Markets to Warranties: What Drives Battery Performance and Profit



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BESS



8.000+
Optimization
runs

**Power
markets**



3.000+
Trades

Warranty limitations

**Maximizing client revenues with
minimum degradation**

Cross-market optimization & dispatch explained

BESS market participation: Germany example



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Cross-market optimization & dispatch explained

BESS market participation: Germany example



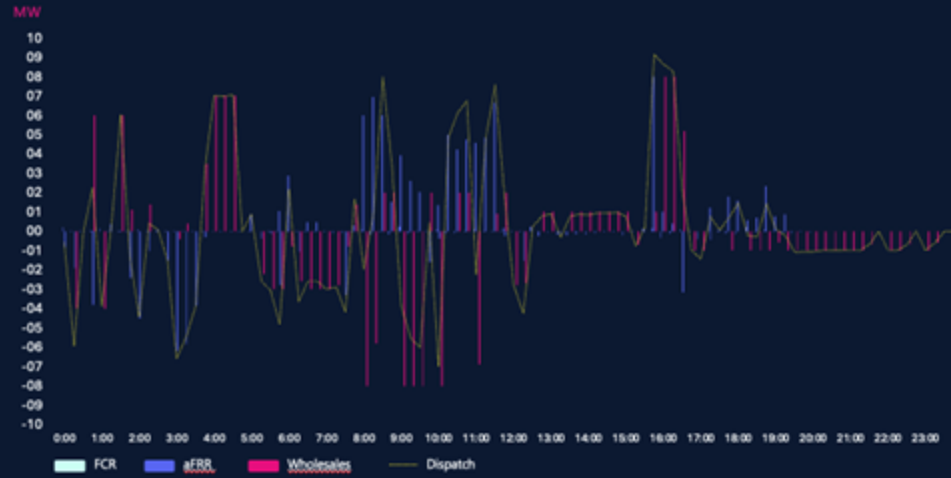
Cross-market optimization & dispatch explained

BESS market participation: Germany example

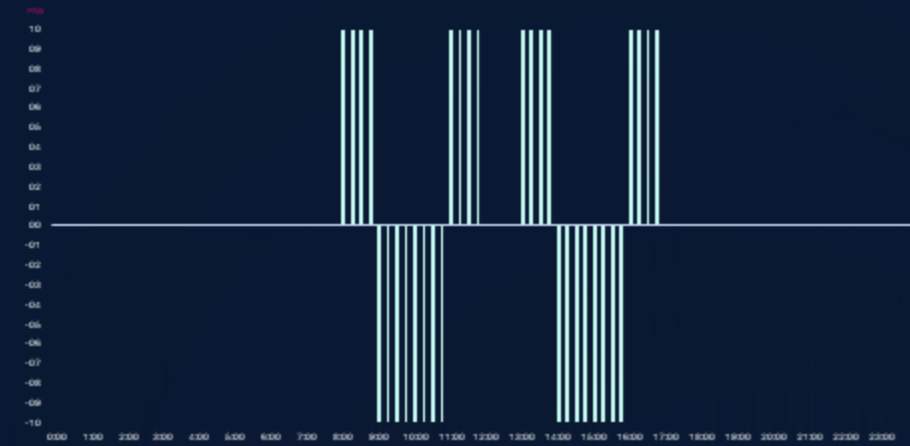


Reality vs. assumption

Optimizer reality



Integrator assumption

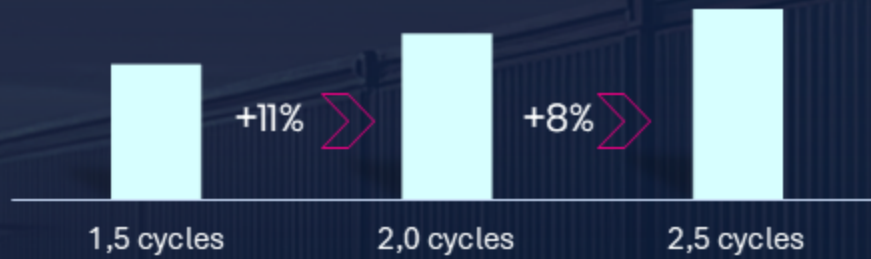


The hidden revenues of BESS performance warranties

Resting periode



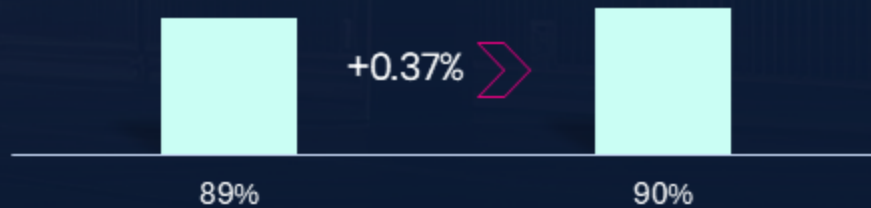
#average Cycles/Day



Available SoC range



% RTE



EUR/MW/year

Quantifying the revenue impact of warranty constraints

89% RTE
95% useable SoC
1.8 cycles average
97% availability

+11,5%

90% RTE
100% useable SoC
2 cycles average
99% availability

260k EUR/MW/YEAR

290k EUR/MW/YEAR

e.g. 50 MW / 100 MWh BESS
1.5 Mio. EUR / year
15 Mio. EUR over 10 year periode

Let's unlock the full potential of your asset!



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