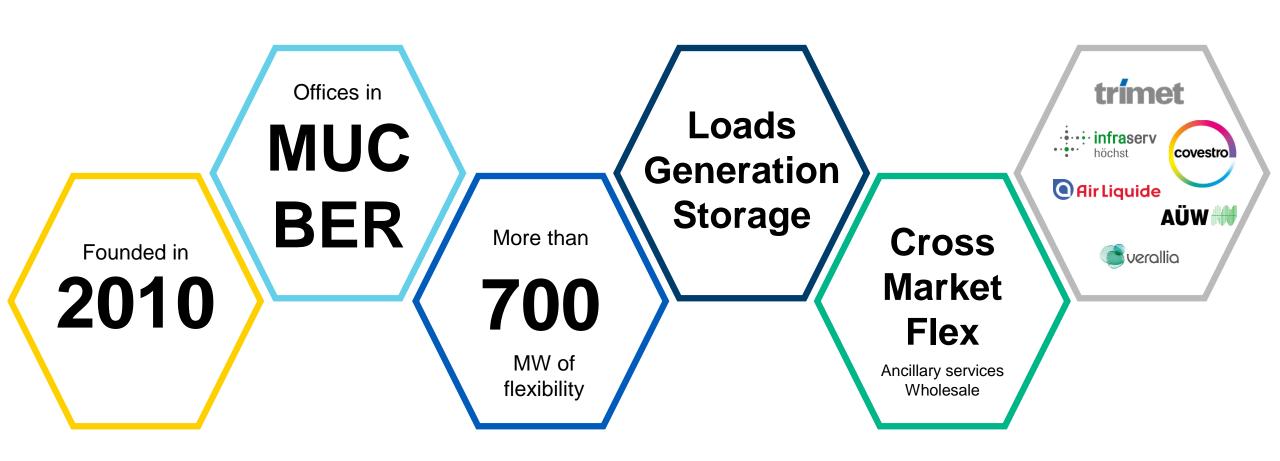


About us: Entelios AG



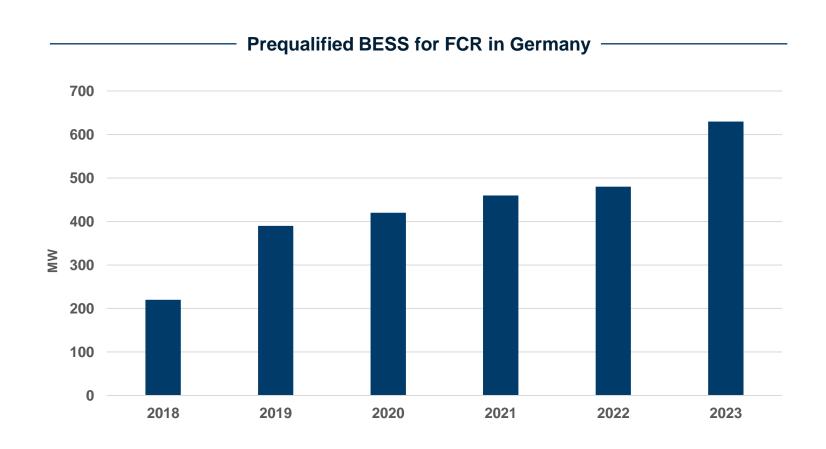
Pioneer & market leader in industrial Demand Response



Market development in Germany



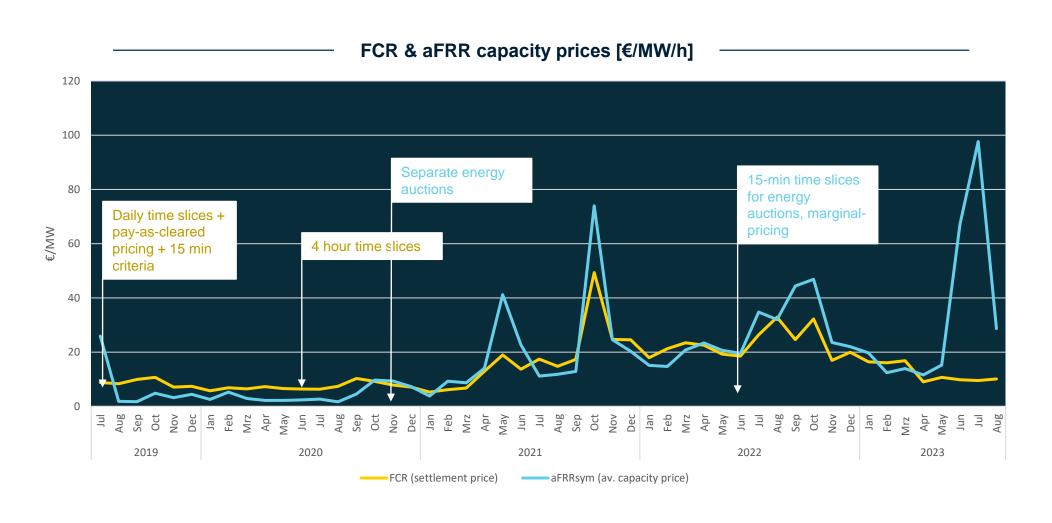
BESS expansion over the years



Market development in Germany



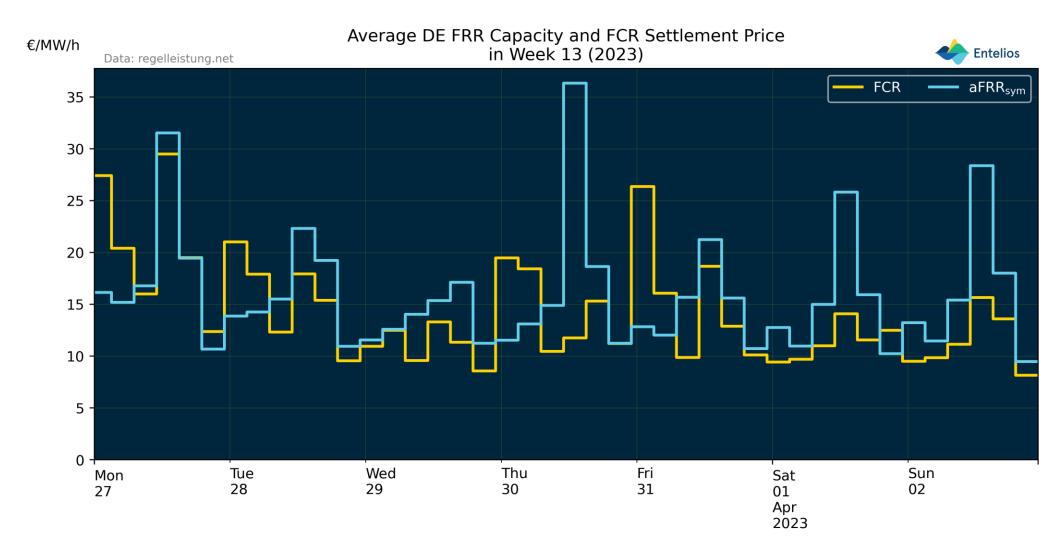
More granularity in the market design



Market development



Performance opportunities within the day





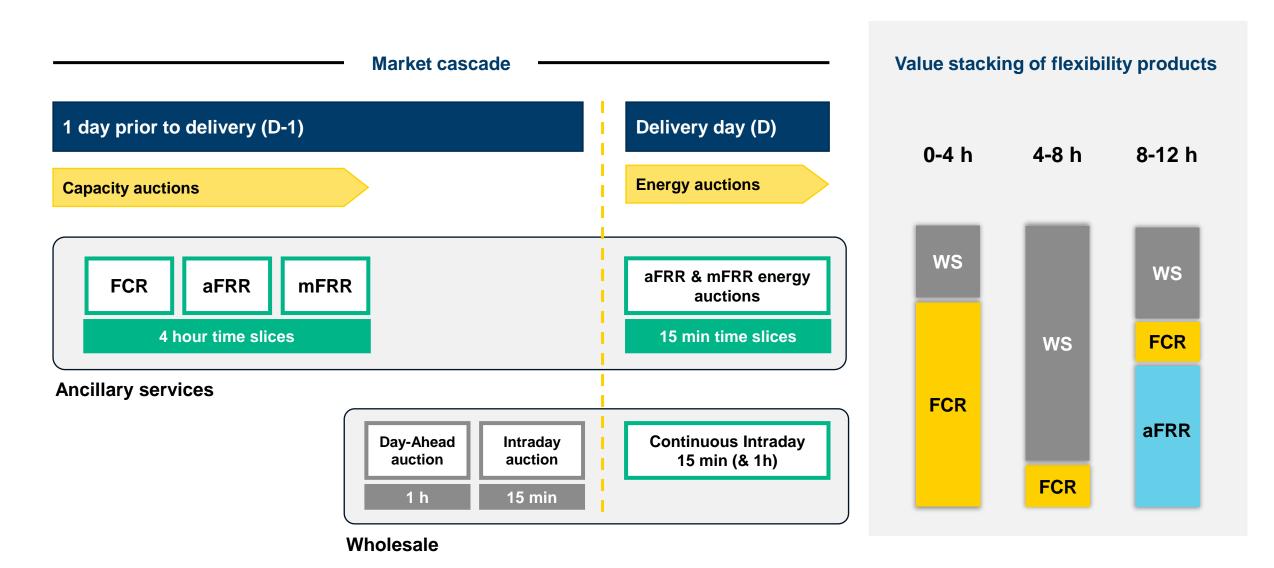




Cross-market optimisation



Resilience & opportunity through diversification



Value stacking



Combine advantages of different markets



FCR

- permanent activation within medial SoC range
- marginal pricing



WS

Wholesale

- arbitrage trading
- low restrictions
- rising market volumes



aFRR

- relatively big market (2GW in each direction)
- separated capacity and energy market
- cycle-saving strategies
- SoC-management optimisation
- highly lucrative activations

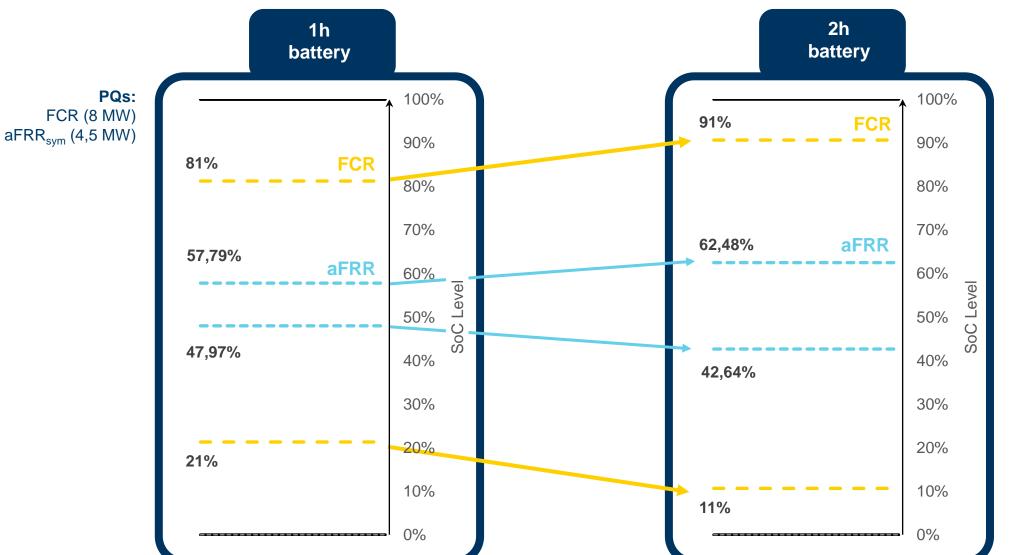


By combining the advantages of all markets, you can achieve the best possible result for your flexibility.

Deep dive battery design

Entelios

Exemplary comparison 10 MW power systems



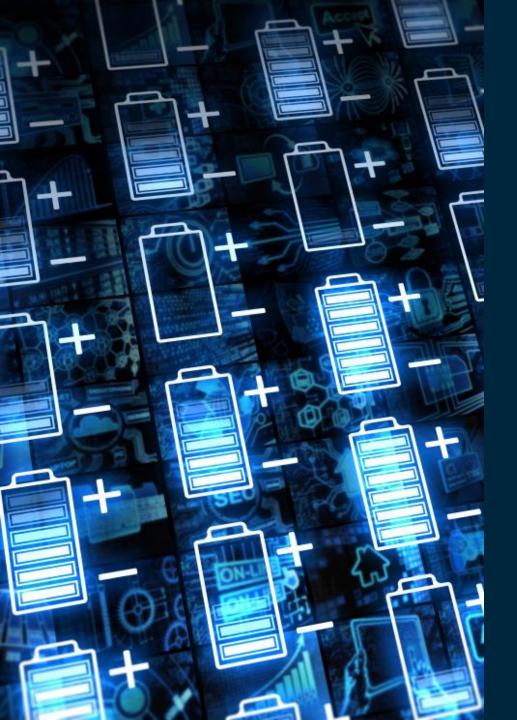
PQs: FCR (8 MW) aFRR_{sym} (8 MW)

Future-proof battery design



Choice impacts cross-market optimisation

	1 hour battery	2 hours battery	3 hours battery
BATTERY TYPES			
USE CASES	Peak shavingFCR	Peak shavingFCRWholesale +aFRR +	Peak shavingFCRWholesale ++aFRR ++





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