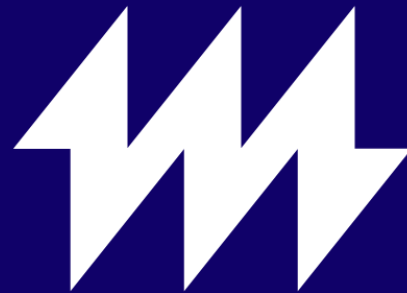


Local market platforms for grid flexibility

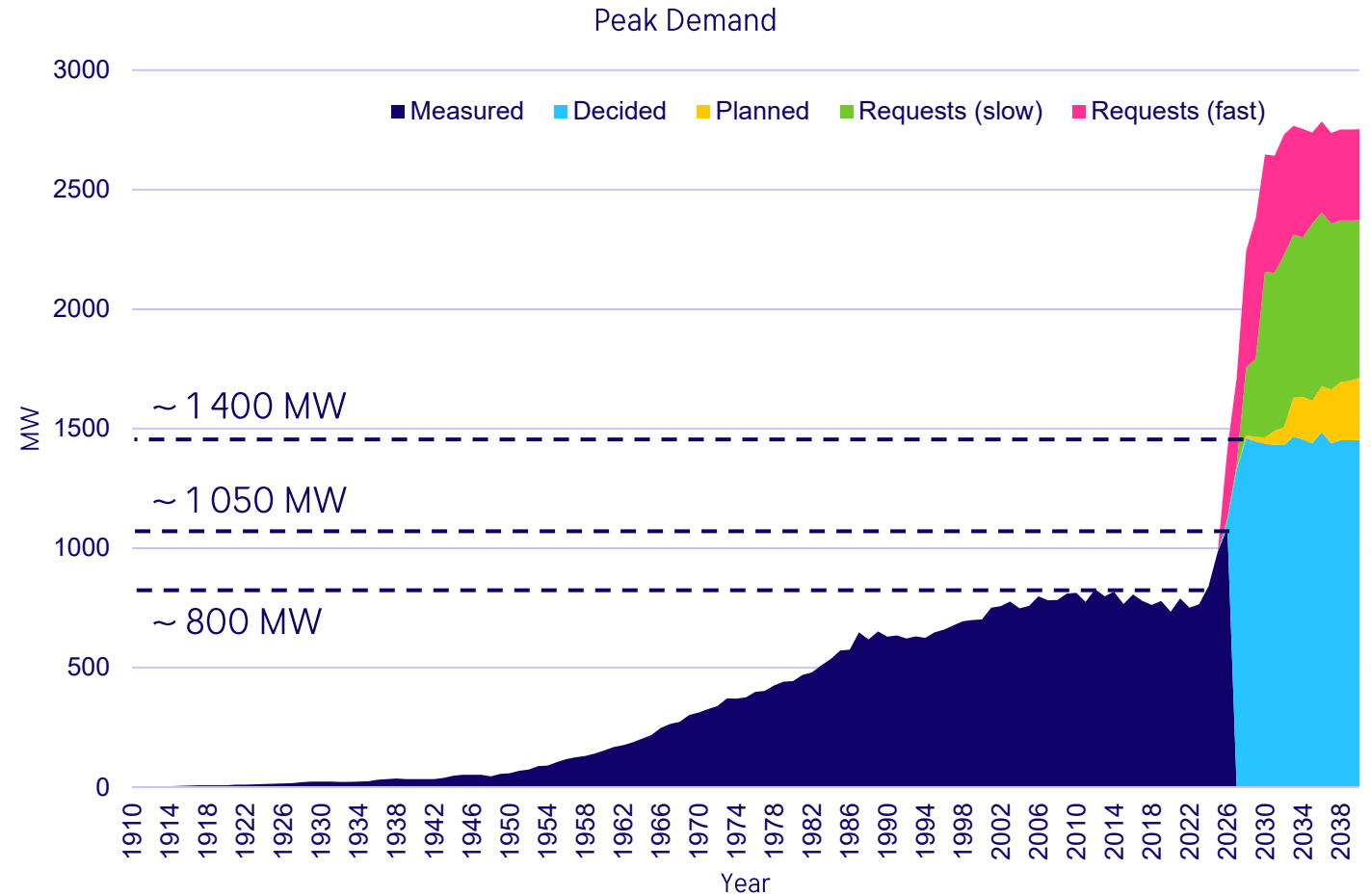
Case FinFlex



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Helen Sähköverkko Oy

- DSO in Helsinki area
- Voltage levels in operation: 0.4 kV, 10 kV, 20 kV, 110 kV
- Plans to build 400 kV network
- Demand is increasing faster than network reinforcements can be completed



Local Flexibility Market - FinFlex

WHAT?

Market place for DSO/TSO to purchase flexibility from FSPs

Capacity product for longer term reservation of flexibility

Energy product for activation of flexibility when needed

WHY?

Demand grows quickly

Market provides best economical and societal outcome

Regulation pushes towards market-based flexibility

BENEFITS?

DSO/TSO: faster connection, delay or avoid investments, cheaper flexibility

FSP: faster connection, flexibility payments, cheaper tariffs



Local Flexibility Market - FinFlex

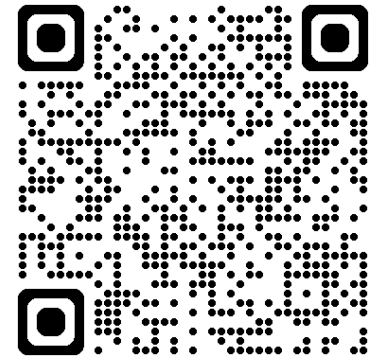
HOW?

JOINING THE MARKET

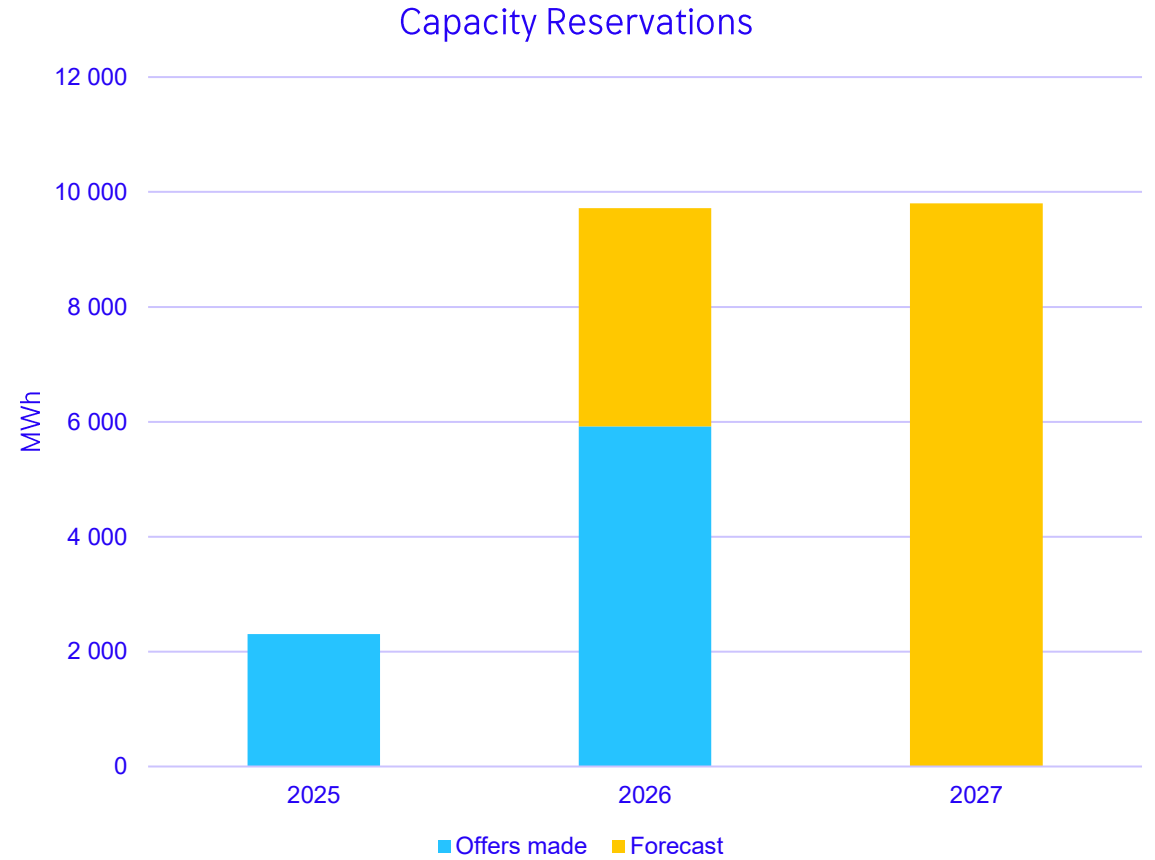
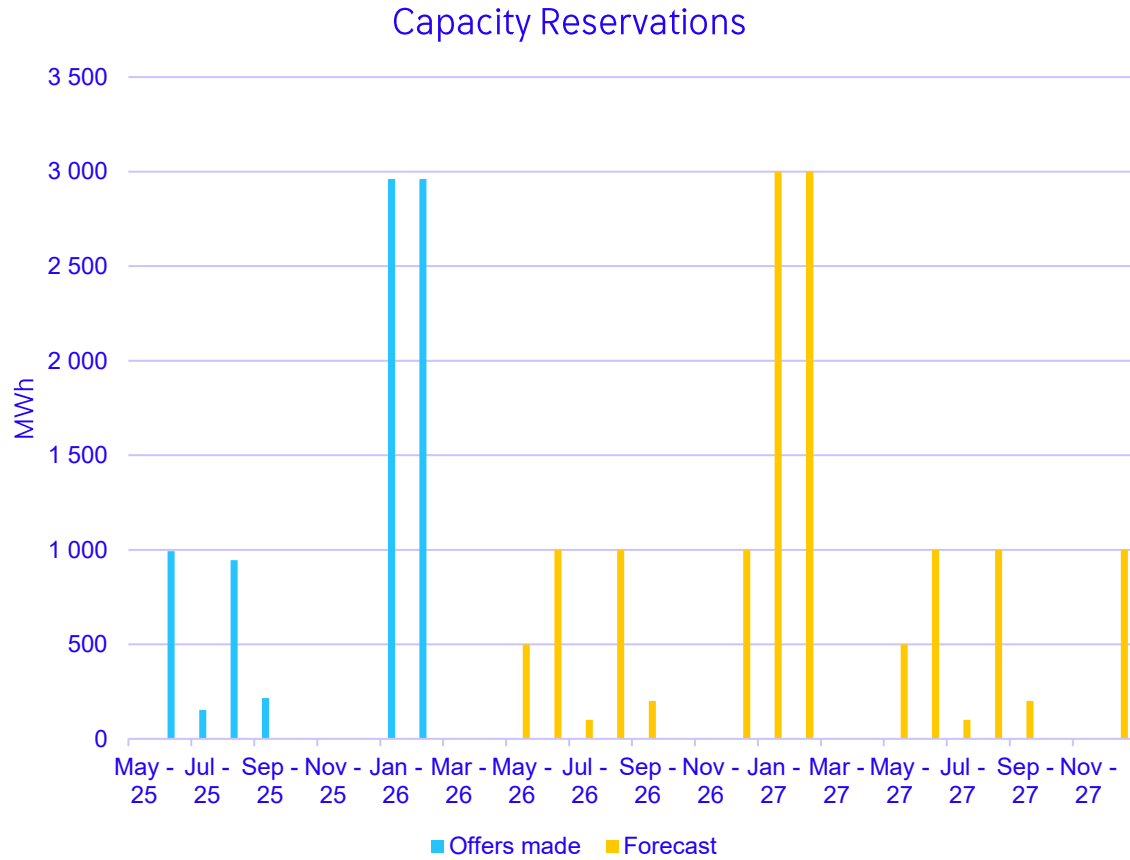
1. FSPs join market by contacting NODES and receives market/platform demo and guidance
2. FSP signs market agreement and registers assets to the market
3. Trading begins

TRADING

DSO markets are auctions with pay-as-bid principle
TSO activation market is continuous with pay-as-bid principle
Compensation for capacity and activation paid every month
No sanctions for failed delivery (only reduced payment)
No fees for FSPs!



Market Activity

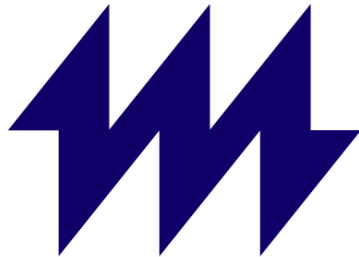


Future

- Other DSOs interested in joining FinFlex
- The need for flexibility is not going anywhere

- FinFlex pilot running until the end of 2027
- Serves as a launching pad for a national market-based flexibility solution
 - Network Code on Demand Response





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