

Residential Demand Side Flexibility for Redispatch in Germany

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ViFlex

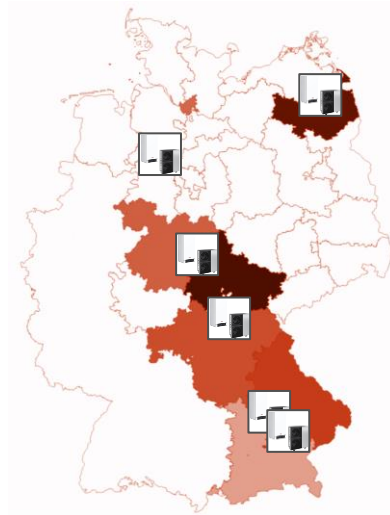
Residential DSF for Redispatch

The Challenge:



BNetzA, Feststellung des Bedarfs an Netzreserve für 2020/2021

The Opportunity:



Viessmann (14:30 D-1)

Hey 🙋, tomorrow at 17:00, our heat pumps will consume 1 MW, but we can go down to 200 kW for 1 hour, if it helps.

TSO (12:00 D)

Nice, the grid is a bit busy at that time. Please limit consumption to 200 kW, okay?

Viessmann (12:01 D)

Definitely! That means we can't provide any more flex for the next 2 hours. People want to have warm houses. 😊

TSO (12:02 D)

Perfect, thx! 👍

Value stacking with local flexibility products

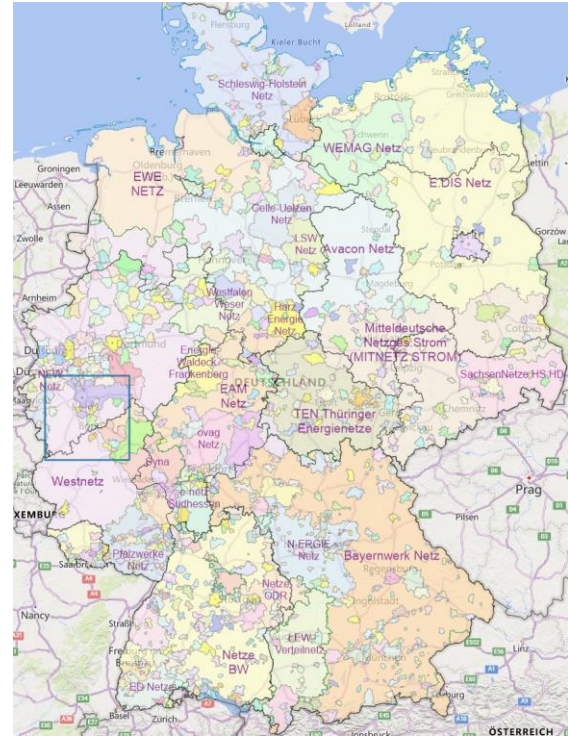
Current blockers in Germany

The Challenge:

- Germany has 865 DSOs
- All favor different technical conditions to connect
- There are innovative frontrunners and conservative laggards
- Revenue is generated via regulated grid fees

The Blockers:

- Platform to coordinate DSOs, TSOs and aggregators
- Regulatory incentives and pressure on DSOs to digitize and open themselves to flexibility markets
- Business cases and frameworks for local flexibility products



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