CEDEC - Congress

Efficiently linking local energy resources

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DEW21 is a classic communal multi-utility in Dortmund



DSO's local grid assets to be flexibly exploited enhancing the overall system stability

- Maximum value contribution at lowest investment demand based on system intelligence, automation, digitalization and remote control
- → Flexible asset control is cheaper and more sustainable than uncontrolled increase of re-dispatch costs

Supply





Wind: 109 MW

220 GWh production

54 plants



PV: 5.2 MW

5.4 GWh production



CHP: 9.3 MW

174 stations

Demand



Night storage heating 114 Mio kWh

16,907 plants



Street lighting

4.7 MW

17,352 MWh/a

52,949 lighting poles



Power-to-Heat in conception

