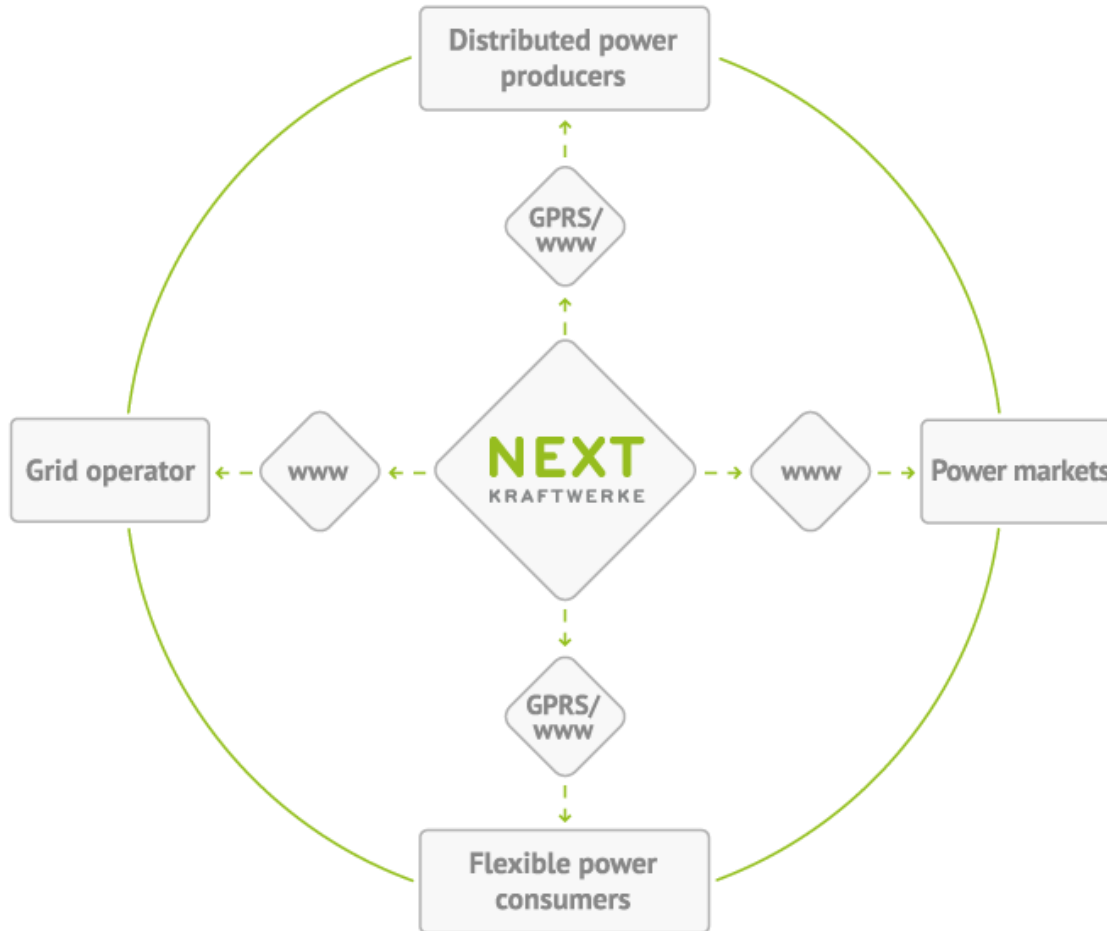


A woman with long brown hair, wearing a grey sweater, is seated at a desk in a control room. She is looking intently at a workstation with multiple monitors. The monitors display various data visualizations, including line graphs, bar charts, and waveforms. In the background, another person is visible at a similar workstation. The room is dimly lit, with the primary light source being the screens. A white mug and a calculator are on the desk in front of her.

SHAPING THE ENERGY SYSTEM OF THE FUTURE

The platform for the digital energy world

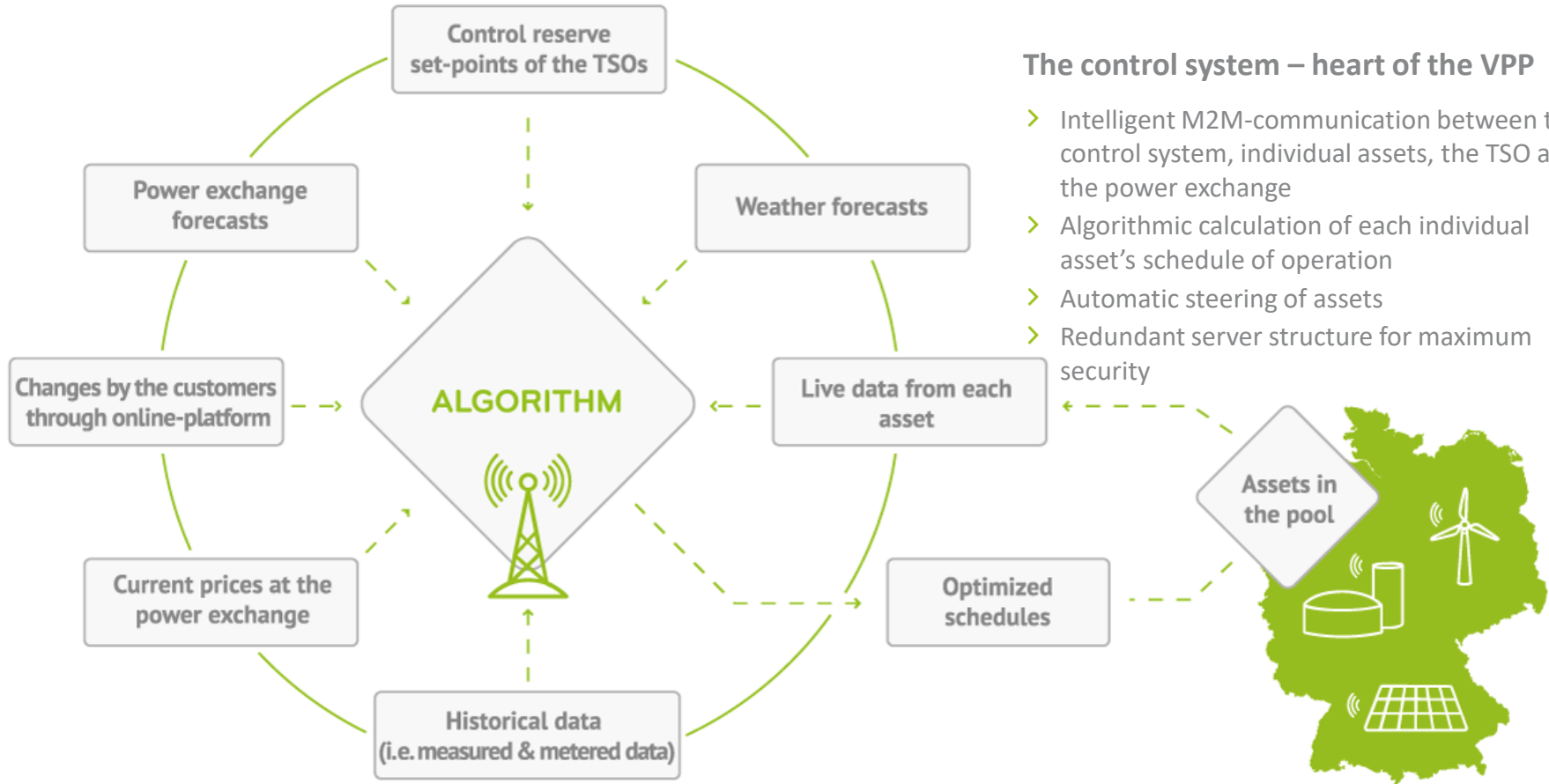


Operating a power plant without owning any assets

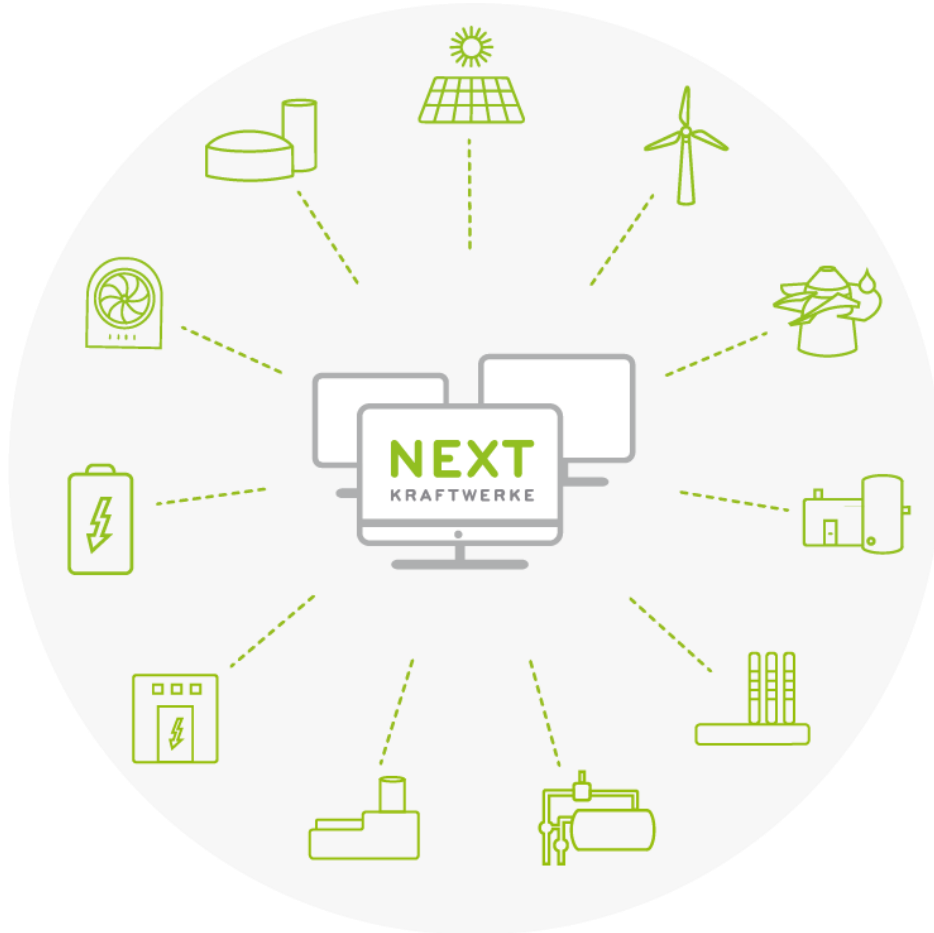
- Aggregation of decentralized renewable energy assets through a central virtual platform
- More than 5,100 assets with more than 4,000 MW capacity
- Intelligent steering of all networked assets with automatic M2M-communication
- Grid stability: ensuring that production and consumption are harmonized
- Offering access to various markets (i. e. spot exchange, ancillary services, etc.)

What does a VPP offer?

NEXT



Who is taking part in a VPP?



Asset types in a Virtual Power Plant

- > Biogas
- > Solar
- > Wind
- > Hydro power
- > CHP
- > Renewable power plants
- > Power-to-X
- > Power consumers
- > Utilities / aggregators
- > Batteries
- > Emergency power generators

Interfaces / technologies

- > Next Box
- > Protocol interfaces
- > APIs

Our products: flexible power rates

How power consumers can benefit from fluctuations on the power exchange

Overview

- › Consume power when the demand at the power exchange is low and power costs less
- › Price forecasts in different time intervals available:
Variable power rate "Best of 96" (with a granularity of up to 15 minutes)
or time zone based "Take your Time"



Matthias Reimers, Managing Director of Deich- und Hauptsielverband Dithmarschen, shifts the power consumption of his pumps to times with lower power prices

Benefits

- › Harmonizing power supply and demand for the entire system
- › Saving up to 30% on energy costs

