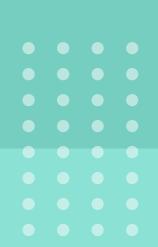
CHANGE THE WORLD. WITH POWER.

Florian Henle | Co-Founder and CEO of Polarstern



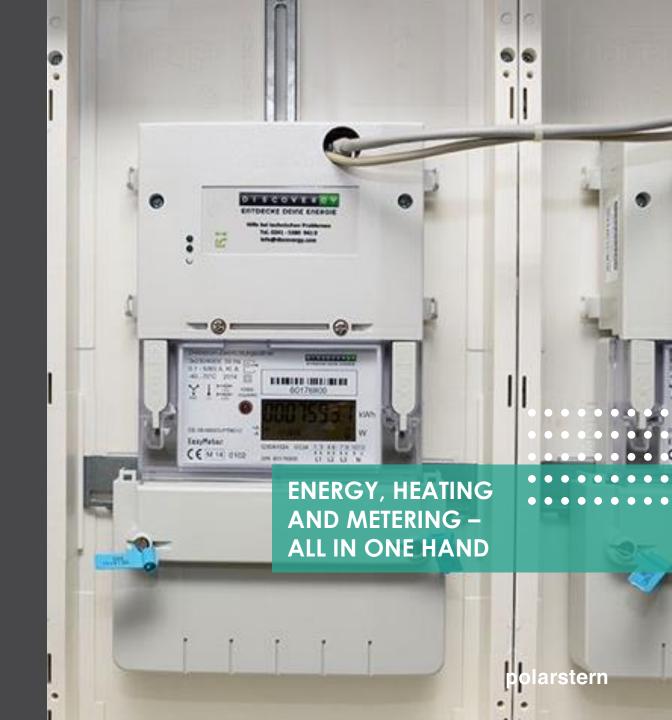
"WIRKLICH MIETERSTROM." Smartgrids for end-customers.

Polarstern produces energy and sells energy directly to the residents in the building.

Generation and consumption are measured with smart meters in two second steps.

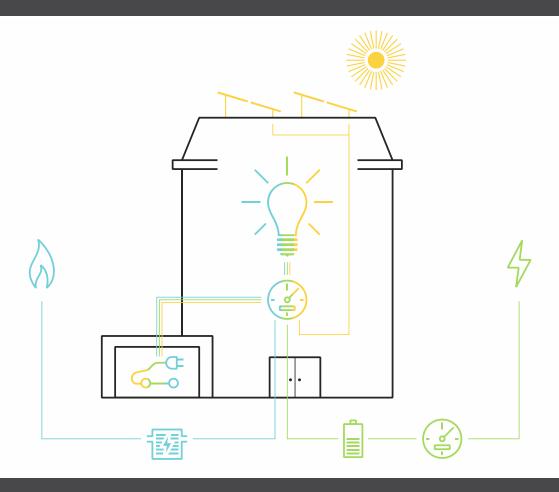
Inside the building = outside the regulation.

Lab for new technologies, future market design and new time-of-use tariffs.



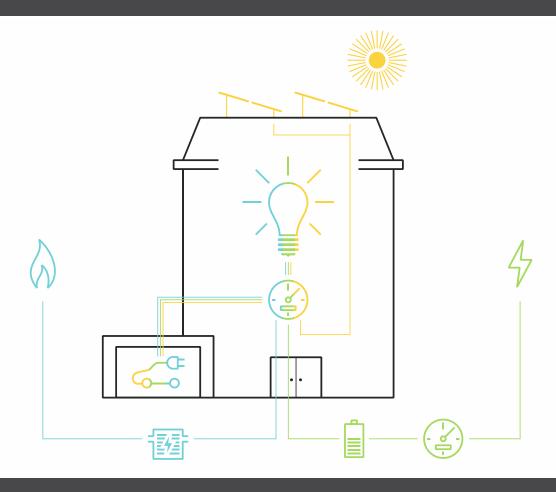
"WIRKLICH MIETERSTROM."

Multi-party houses as green powerplants.



FUTURE LIVING BERLIN AS IDEAL TEST FOR THE CITIES THEMSELVES

Decentralized electricity production and the electricity needs of residents



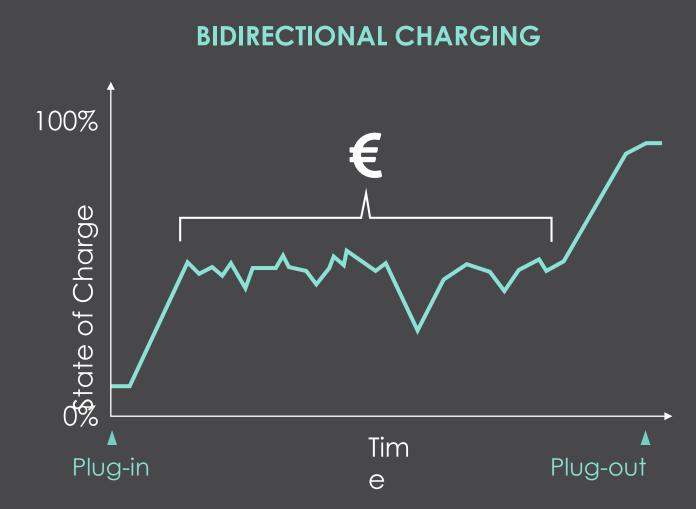
FUTURE PROOF. EVEN MORE INTEGRATION.

Vehicle-to-Building, Vehicle-to-Grid ...

Heat pumps

Vehicle-to-Building

Vehicle-to-Grid



MIETERSTROM & PV & BATTERY & HEAT PUMPS & E-MOBILITY

– Units

- Direct usage

- PV

- PV to heat pumps

- PV to EV

Battery storage

150

90%

194 kWp

35%

Parking & car sharing

160 kWh

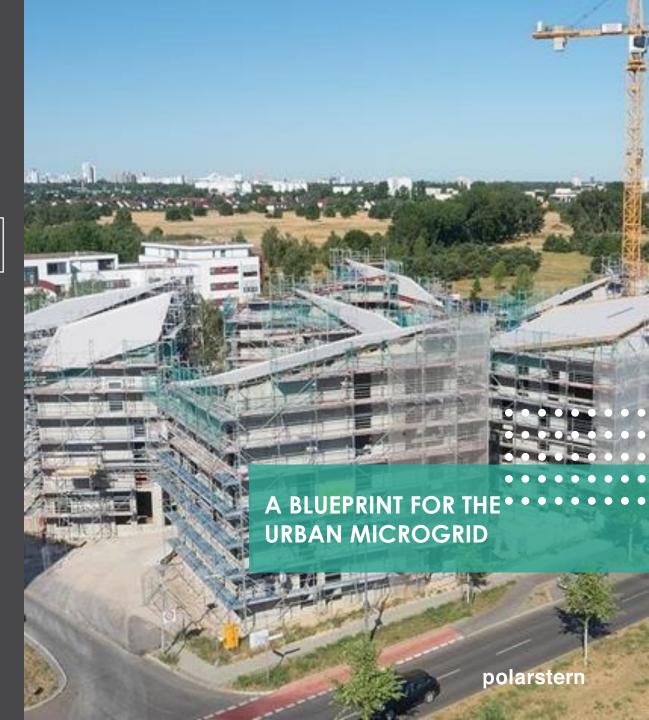




LOCAL POWER USAGE OF 90%

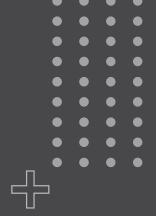
– Units	150
– Direct usage	90%
– PV	195 kWp
PV to heat pumps	35%
- PV to EV	Parking & car sharing
Battery storage	160 kWh





"WIRKLICH AUTOSTROM." GREEN CHARGING.

Anywhere.



Wirklich Mieterstrom for EVs

Wallbox

Dynamic load Management

Billing

Roaming Integration via Plugsurfing

