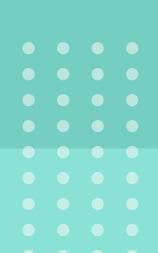
# CHANGE THE WORLD. WITH POWER.

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.

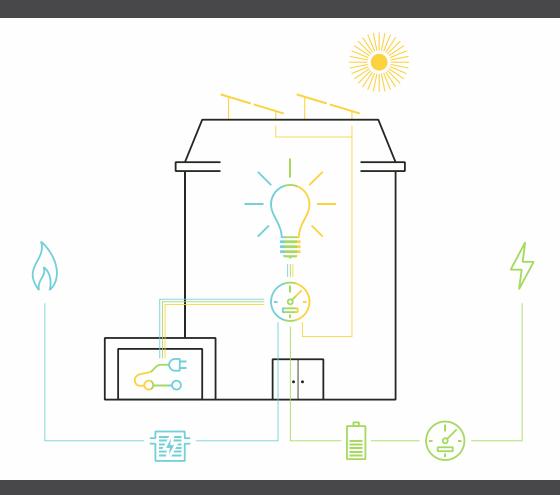
Inside the building = outside the regulation.

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



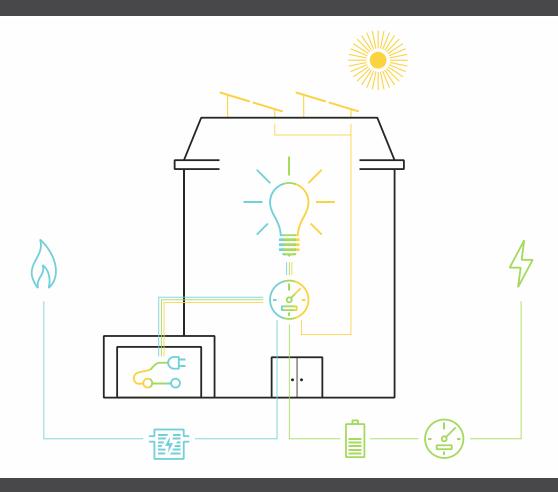
## "WIRKLICH MIETERSTROM."

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



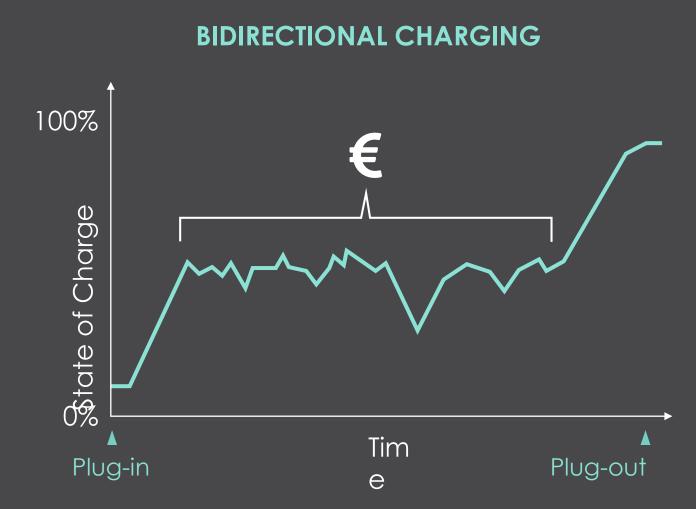
#### **FUTURE PROOF. EVEN MORE INTEGRATION.**

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

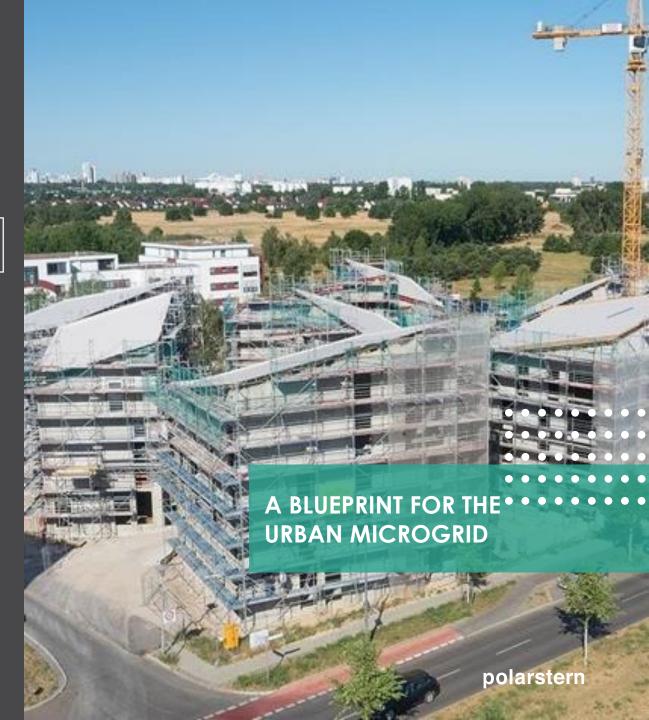




## LOCAL POWER USAGE OF 90%

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





### "WIRKLICH AUTOSTROM." GREEN CHARGING.

Anywhere.



Wallbox

Dynamic load Management

Billing

Roaming Integration via Plugsurfing



