

# 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.

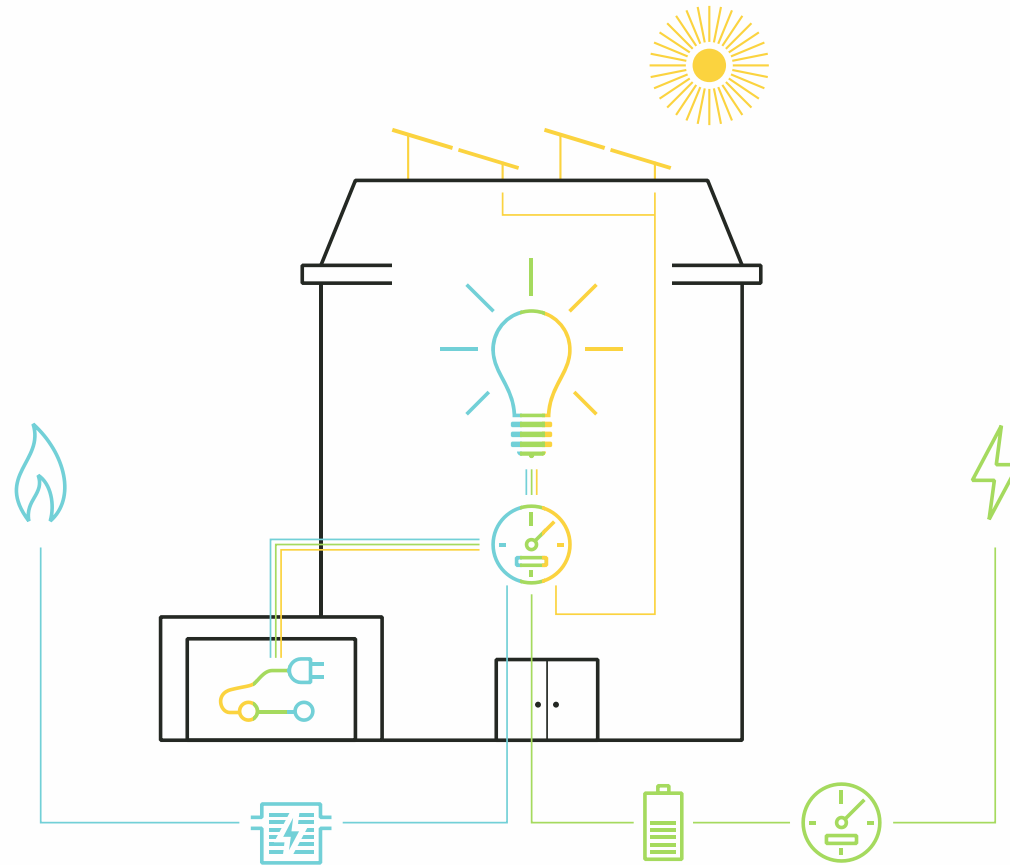


ENERGY, HEATING  
AND METERING –  
ALL IN ONE HAND

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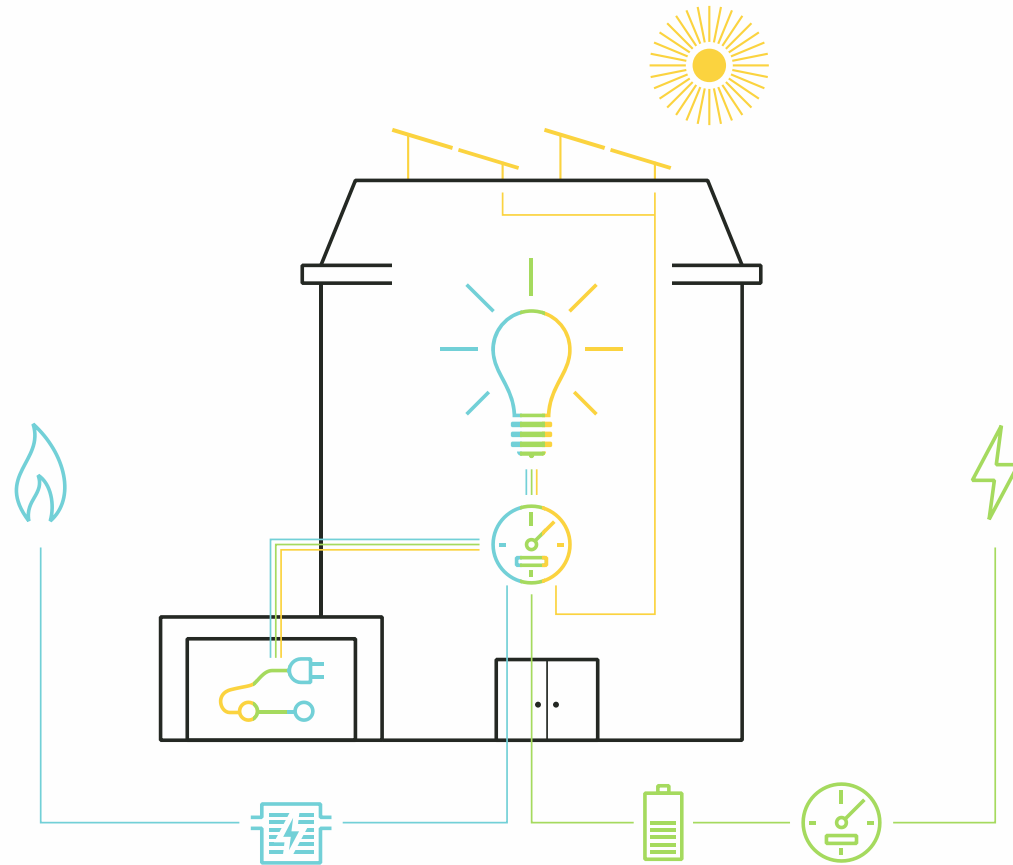
# "WIRKLICH MIETERSTROM."

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 ...

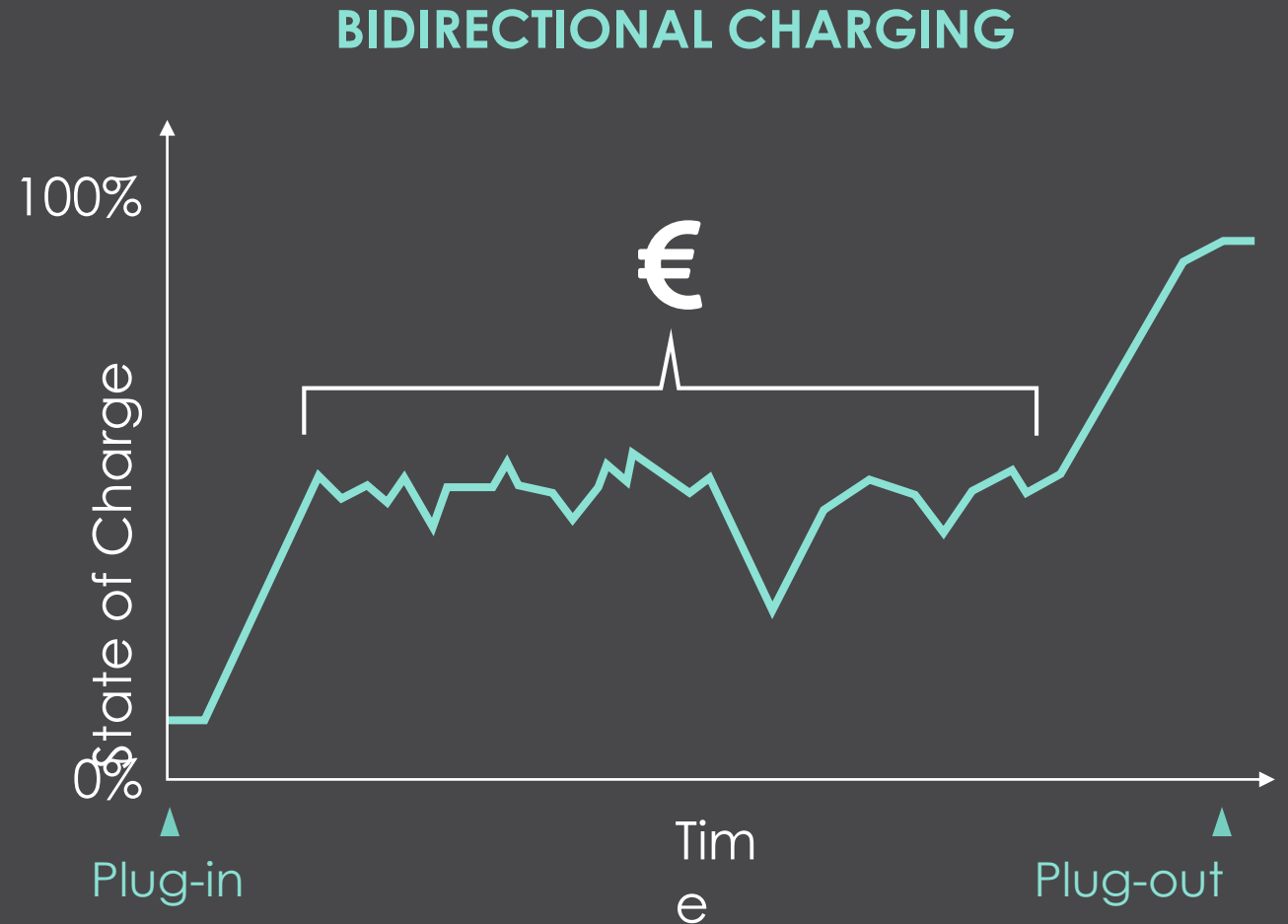
Heat pumps

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Vehicle-to-Building

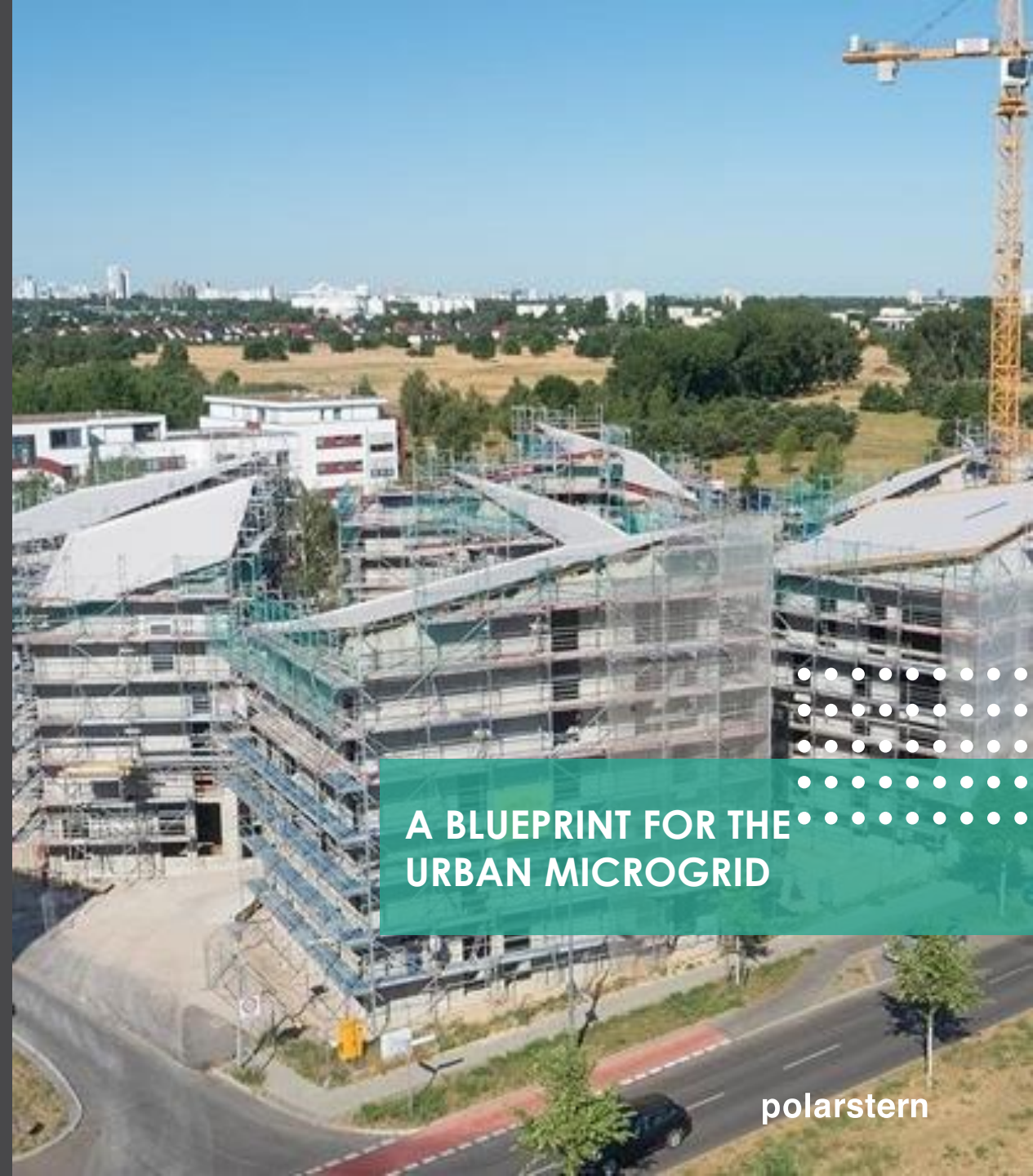
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Vehicle-to-Grid



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

– Units	150
– Direct usage	90%
– PV	194 kWp
– PV to heat pumps	35%
– PV to EV	Parking & car sharing
– Battery storage	160 kWh



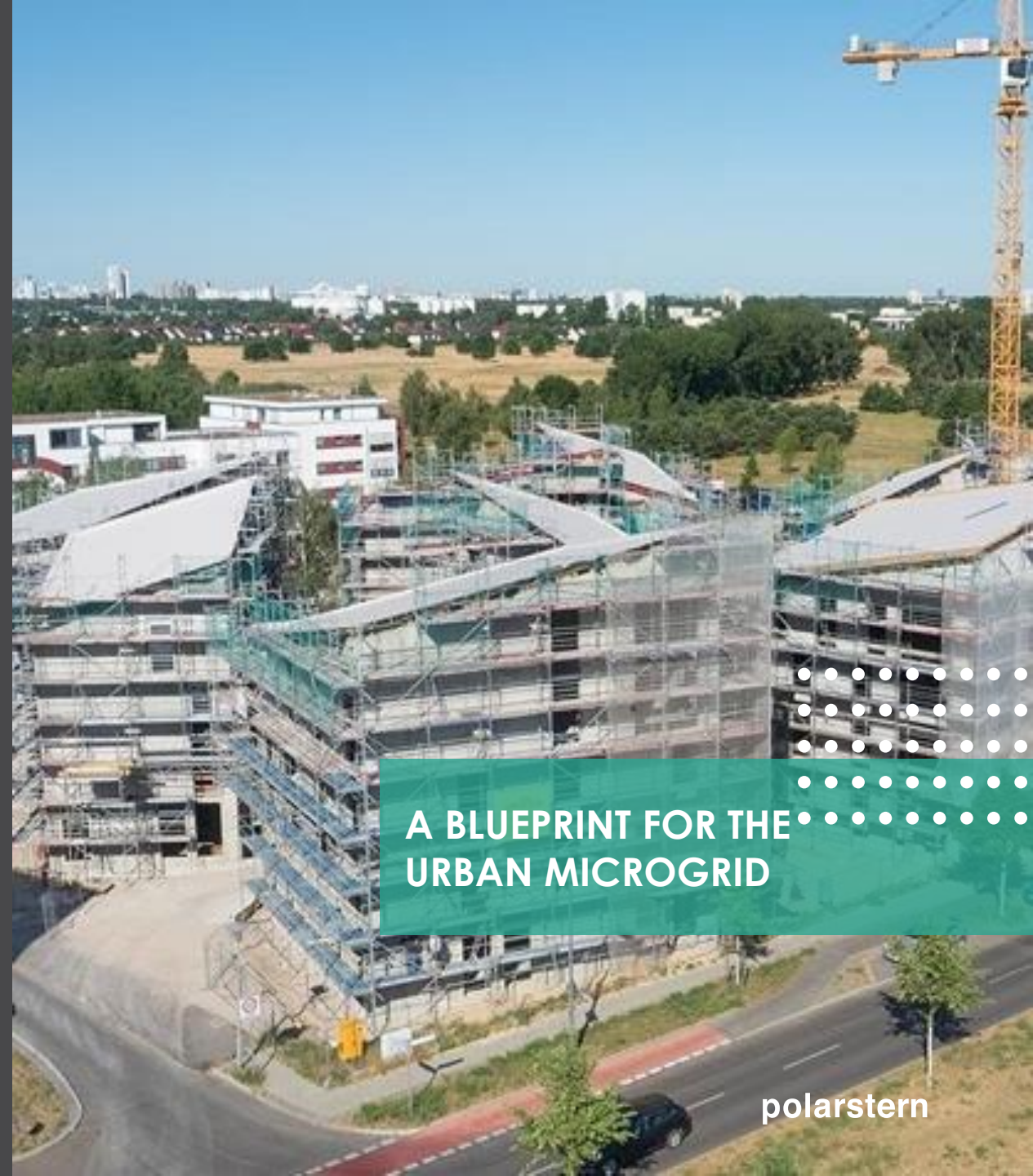
A BLUEPRINT FOR THE  
URBAN MICROGRID

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## LOCAL POWER USAGE OF 90%

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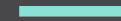
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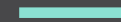
# "WIRKLICH AUTOSTROM." GREEN CHARGING.

Anywhere.

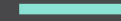
Wirklich Mieterstrom for EVs



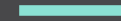
Wallbox



Dynamic load Management



Billing



Roaming Integration via Plugsurfing

