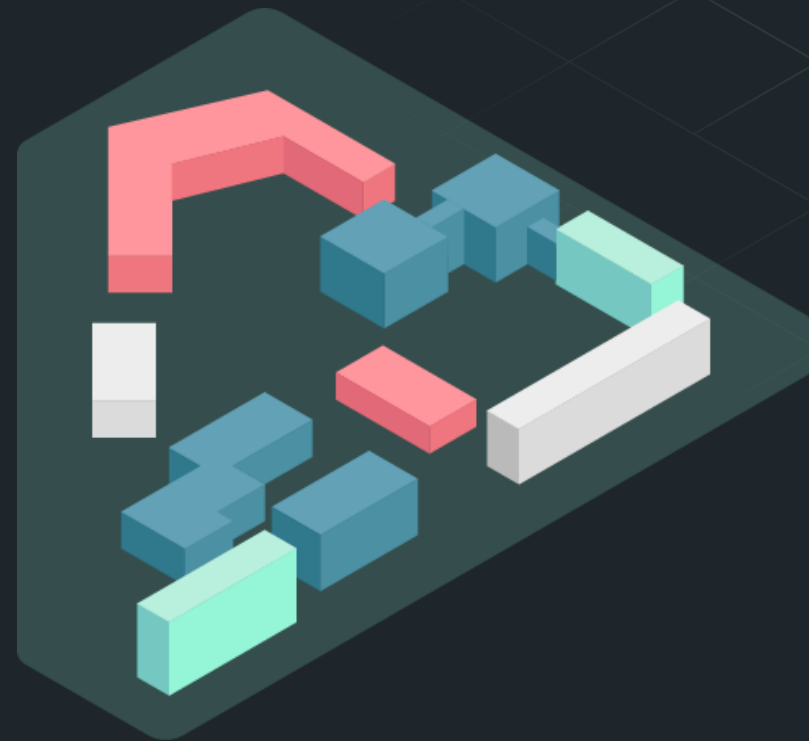


# urban energy

Next step: ZeroC



[www.urbanenergy.de](http://www.urbanenergy.de)

# urban energy

BACKED BY STRONG PARTNERS FROM IT AND INDUSTRIE



Leading IT service provider in the German-speaking region

around 7,000 employees

**678 million €** turnover

urban energy GmbH  
Made in Berlin-Friedrichshain

20 employees with  
a strong vision

Market leader in electrical engineering and automation

around 20,300 employees

**2.9 billion €** turnover

# Climate protection and sustainability

The pressure is increasing – so is the complexity ...

"Nearly 40% of climate-damaging emissions come from the buildings sector."

[Global Alliance for Buildings and Construction (2019).]

"Starting in 2025, newly installed heating systems should be powered by at least 65 percent renewable energy."

[Coalition agreement of the German Government]





ZeroC

Energy and emissions management for real  
estate

ZeroC is more than a management. It is the belief that any real estate can be carbon neutral.



# ZeroC

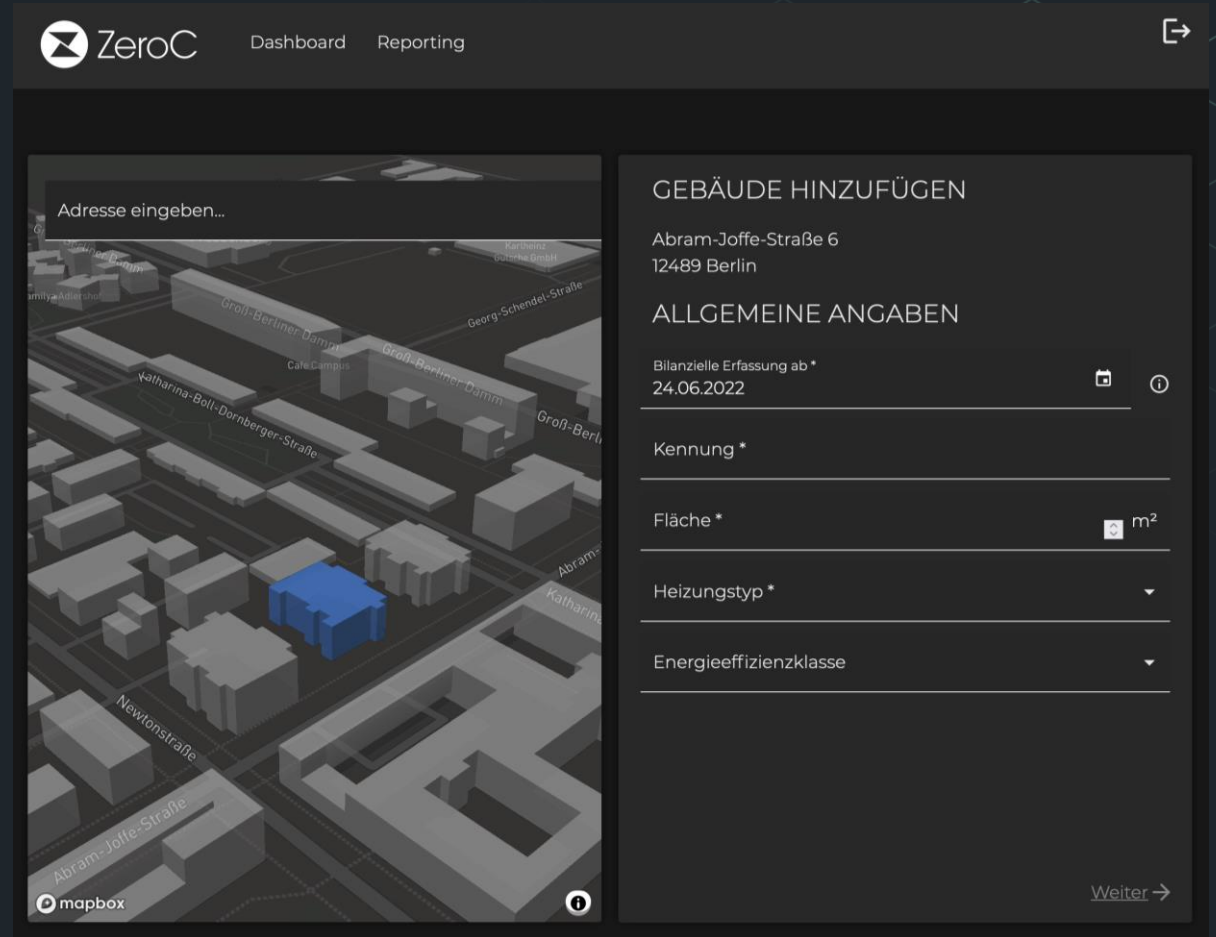
- 1 Data Integration
- 2 Digital Twin
- 3 Reporting
- 4 Simulation
- 5 Road Map Net Zero

# Data Integration

Where does the data come from?



- Consumption data can be integrated manually, as historical data or via live data connection.
- Calculations are AI-supported and based on live and historical data as well as standard load profiles of the BDEW.

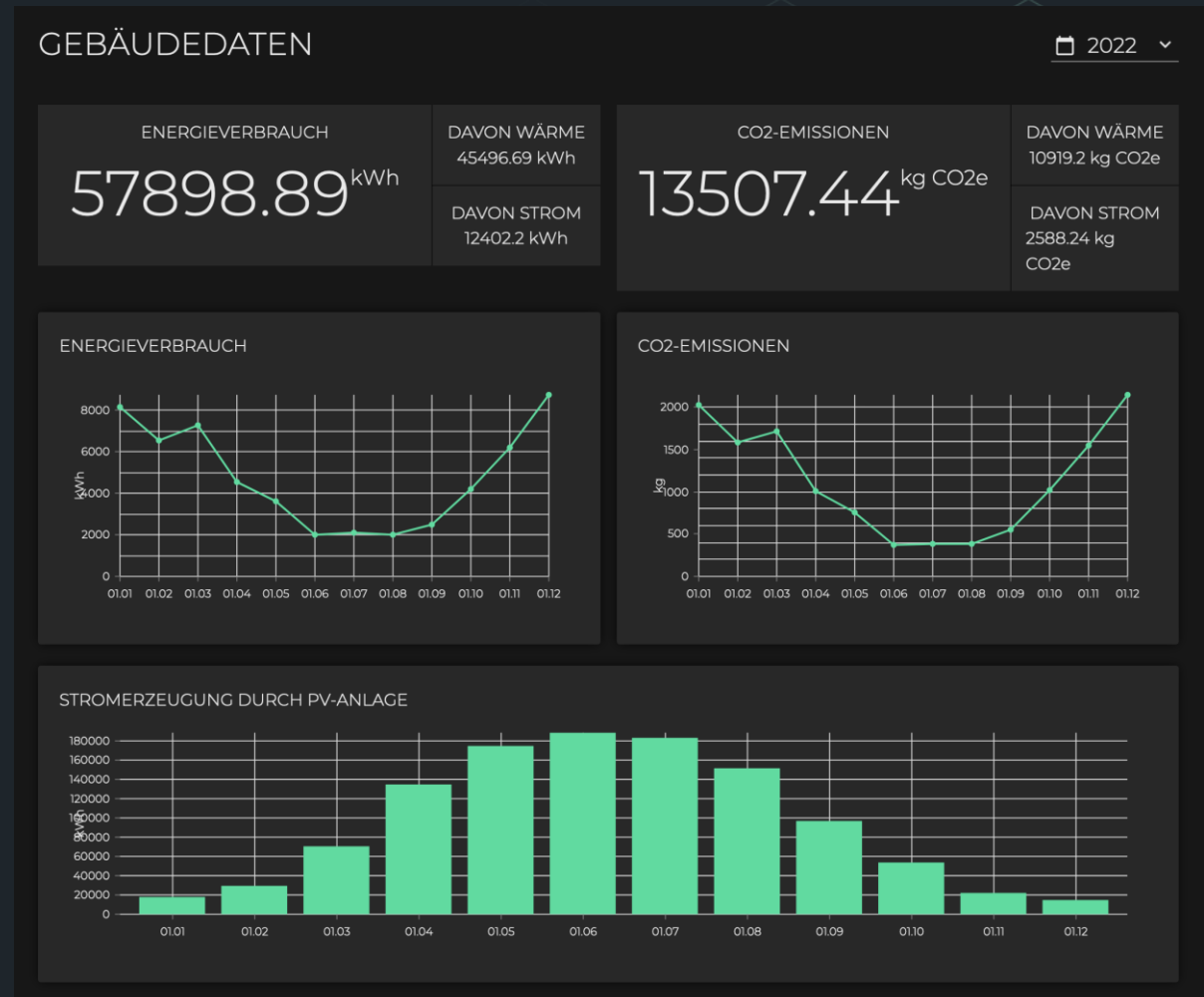


# Digital Twin

Make data visible



- Digital Twin of single real estate and the entire building stock
- Modelling of the energy flows
- Visualization of the CO2 balance and all energy values in dashboards





# Reporting Tool

## From the data to the report

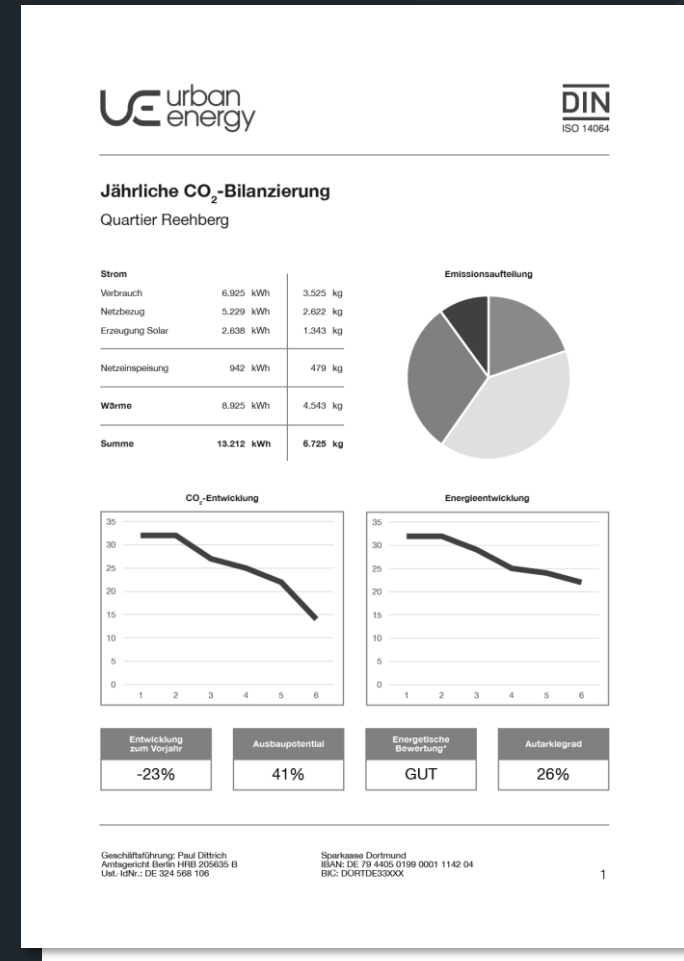


### Reporting

- CO2 balance according to ISO 14064 for real estate operators (CSR)
- ESG Report

### Visualization

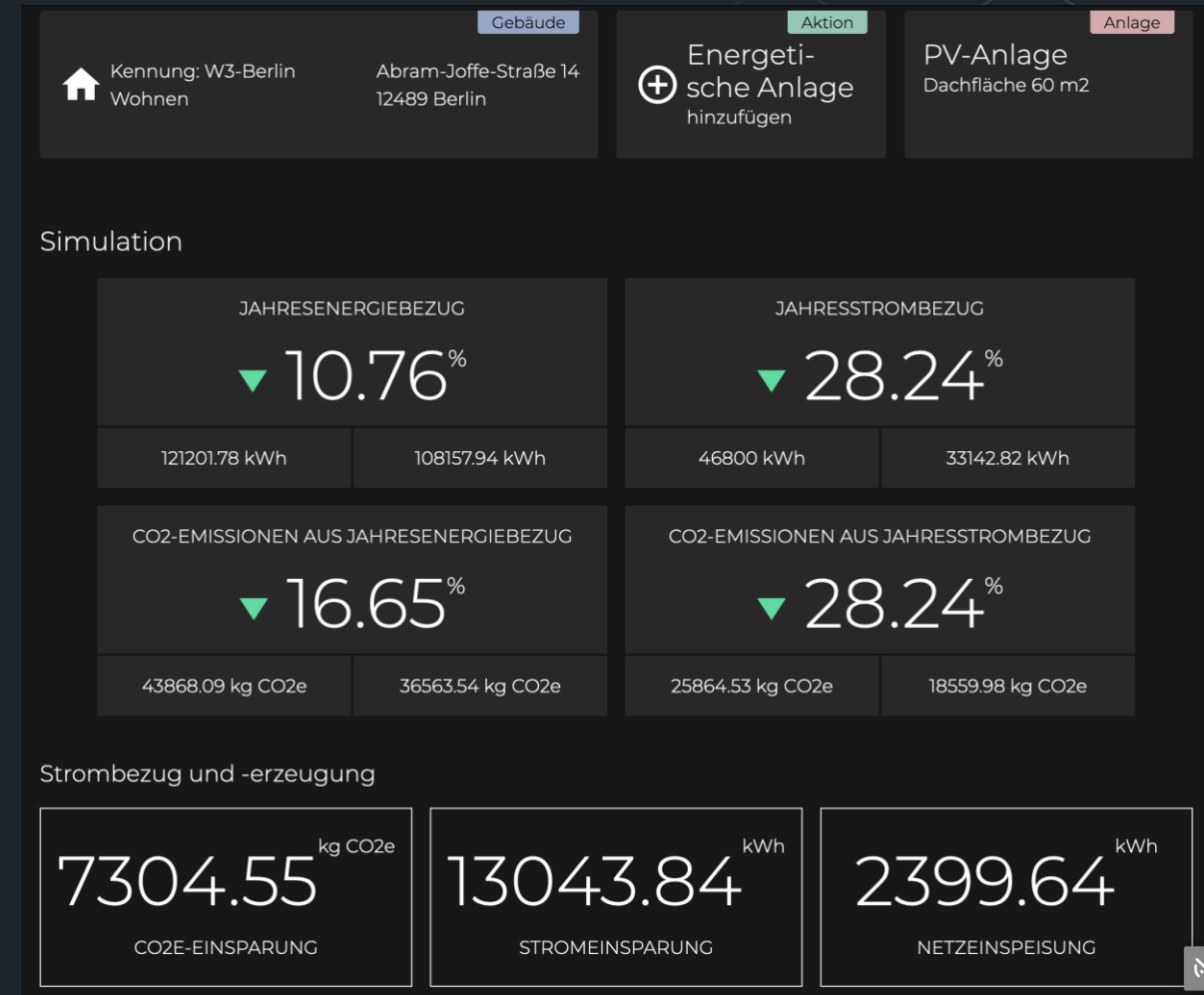
- Tenant portal / App
- Homepage



# Simulation

## What can be done with the data

- Simulate optimization measures, e.g. effect of a new PV system or an energy storage system on the energy system of a building
- Automated forecast of CO<sub>2</sub> values based on artificial intelligence



# Road Map Net Zero

## The path to climate neutrality



- Set climate goals for the organization
- Automatically create a time based action plan for the organization
- Know when to take what action





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