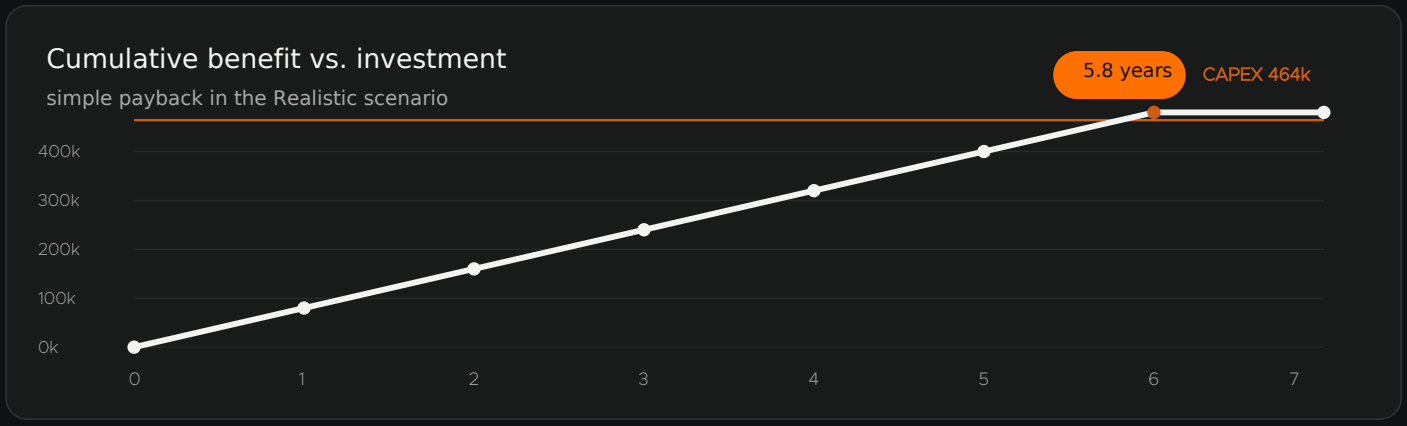
# Energy under control.

A simplified view of investment, annual benefit and payback.

| TOTAL CAPEX | NET BENEFIT | PAYBACK |
|---|---|---|
| 464 100 EUR | 80 003 EUR / YEAR | 5,8 YEARS |

## Realistic scenario

Self-consumption 82% | grid value 160 EUR/MWh | capacity saving EUR 15,000/year




## Investment components

Main technology components in the current model

| Rooftop PV 450 kWp | Carport PV 36 kWp | AC charging 10x | BESS 241 kWh |
|---|---|---|---|
| 292 500 EUR | 66 600 EUR | 50 000 EUR | 55 000 EUR |

**Decision note**

The model excludes project, EMS, MV/LV connection and civil-work costs.

# Economics depends on energy utilisation.

Key factors are the 15-minute load profile, reserved capacity and actual BESS output.

## Economic scenarios

### CONSERVATIVE

53 112
EUR / year

8.7 years

self-consumption 70%
capacity saving EUR 5k

### REALISTIC

80 003
EUR / year

5.8 years

self-consumption 82%
capacity saving EUR 15k

### VERY GOOD

106 282
EUR / year

4.4 years

self-consumption 90%
capacity saving EUR 25k

## Core model parameters

| | | |
|---|---|---|
| PV capacity | 486 kWp | 450 kWp rooftop + 36 kWp carport |
| Annual PV generation | 510 MWh | at a specific yield of 1,050 kWh/kWp |
| Site | 850 MWh / year | baseline annual consumption |
| Fleet | 10 BEV | 100 km / day \| 52 MWh / year |
| BESS | 241 kWh | peak shaving and power management |
| Annual O&M | 7 000 EUR | PV, BESS and AC points |

## Target payback

5 years
required benefit EUR 92,820 / year

7 years
required benefit EUR 66,300 / year

Realistic scenario
meets the 7-year target

Recommended next step

Verify 15-minute data, transformer and main-switchboard parameters, reserved capacity and fleet operating profile.