

PV self consumption

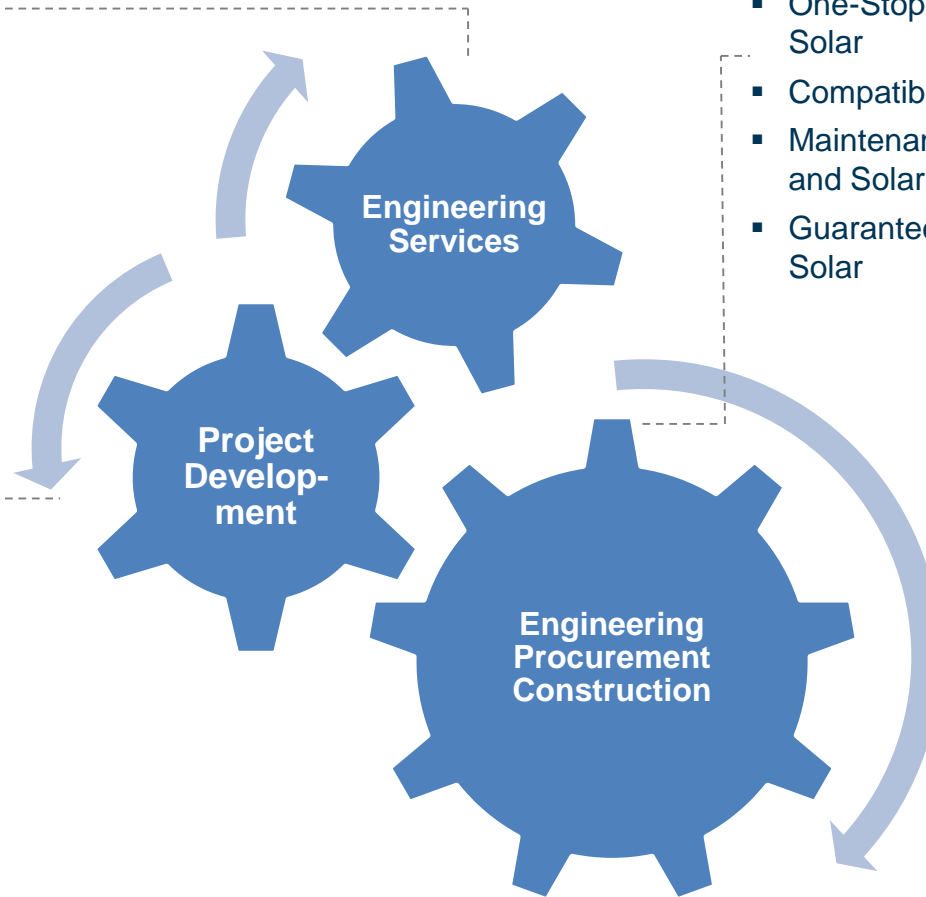


Bernd Maier

Paris, 22.05.2019

- Technical building/ roof analysis (load analysis)
- Technical due diligence
- Preparation roof specification
- Preparation solar specification

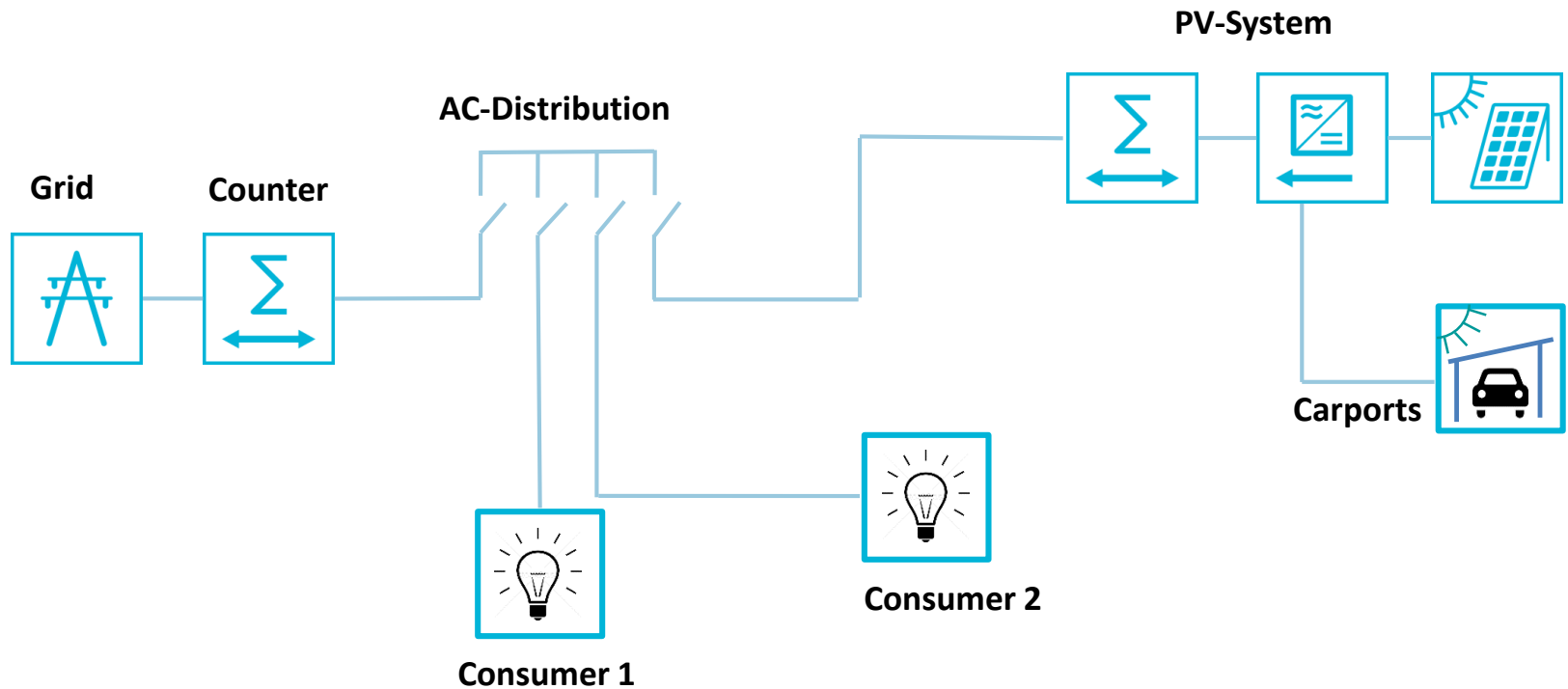
- Economic Feasibility Study
- Customized Solar Roof Solution
- Solar Road Map



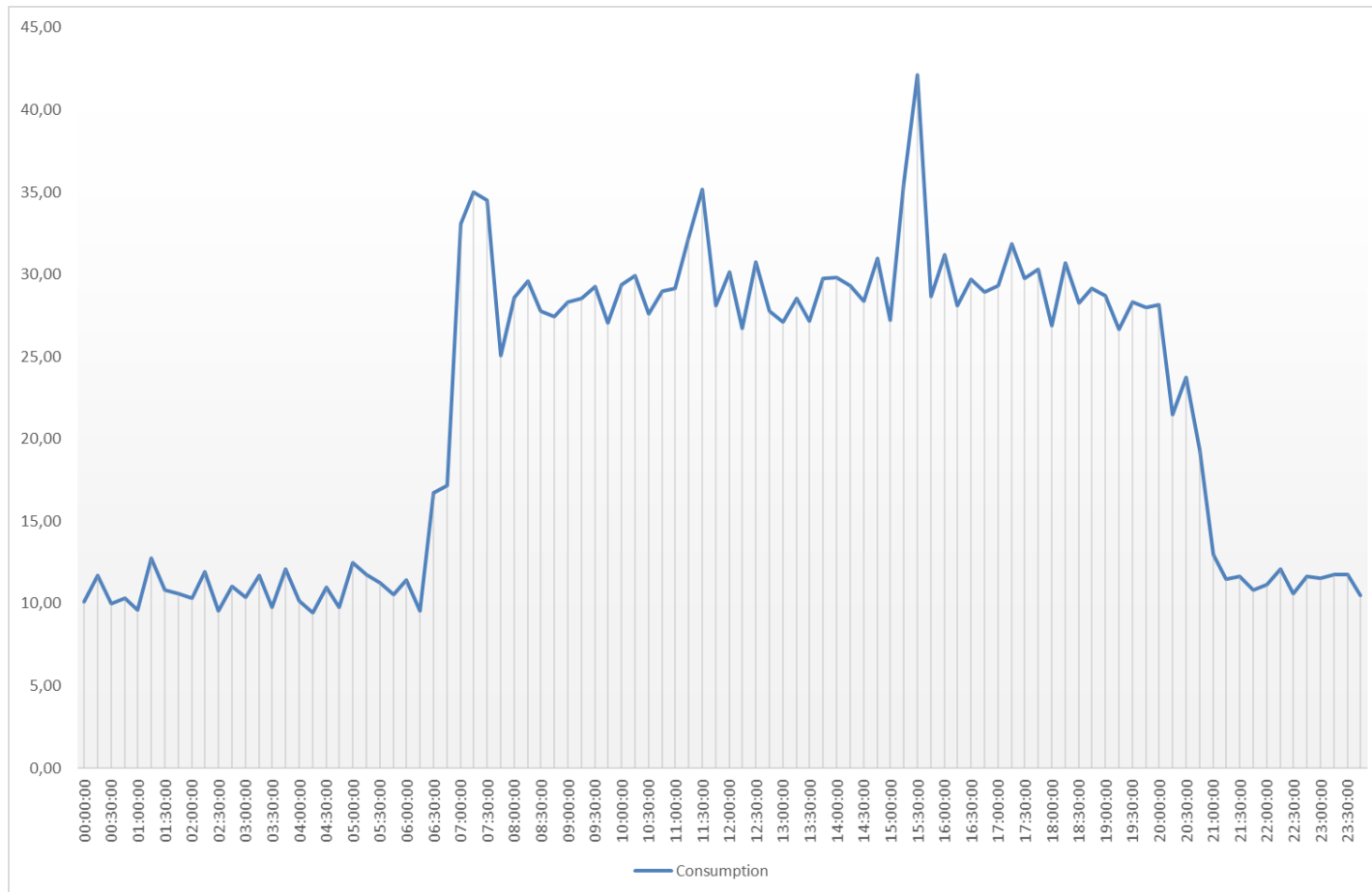
- Solar Roof Concept
- One-Stop-Solution Roof and Solar
- Compatibility Roof and Solar
- Maintenance Concept Roof and Solar
- Guarantee Concept Roof and Solar



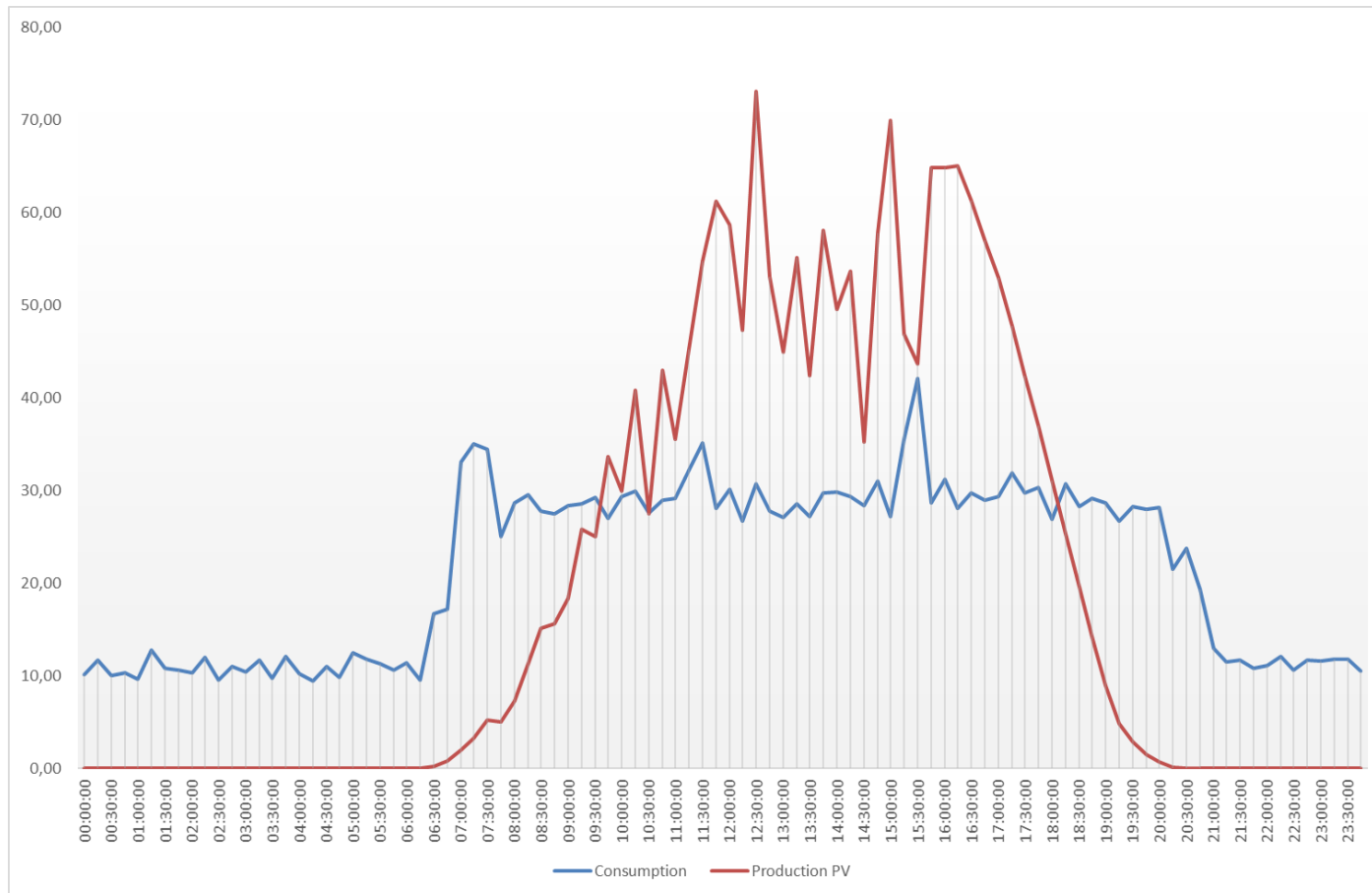
Schematic connection



Typical consumption profile Food discounter

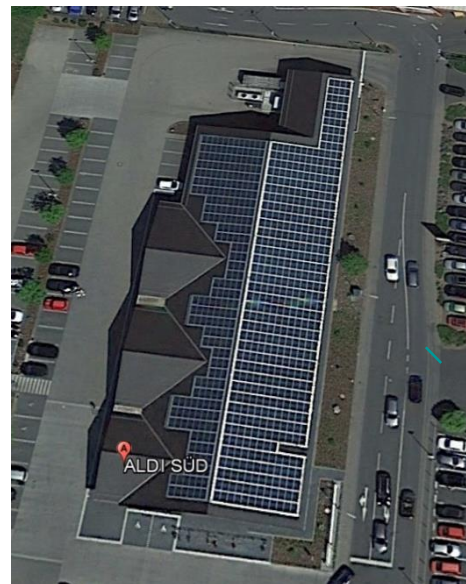


Consumption and production profile



PV self consumption

Project	PV-System	Consumption	Self consumption
Neu-Isenburg	172,6 kWp	310 MWh	73 %
Weiterstadt	185,1 kWp	356 MWh	74 %
Rödermark	141,8 kWp	303 MWh	81 %



Battery storage for maximised self-consumption

ads-tec SRS 100

Capacity: 100 kWh

Power: 100 kW

DC-voltage: 540 – 750 V

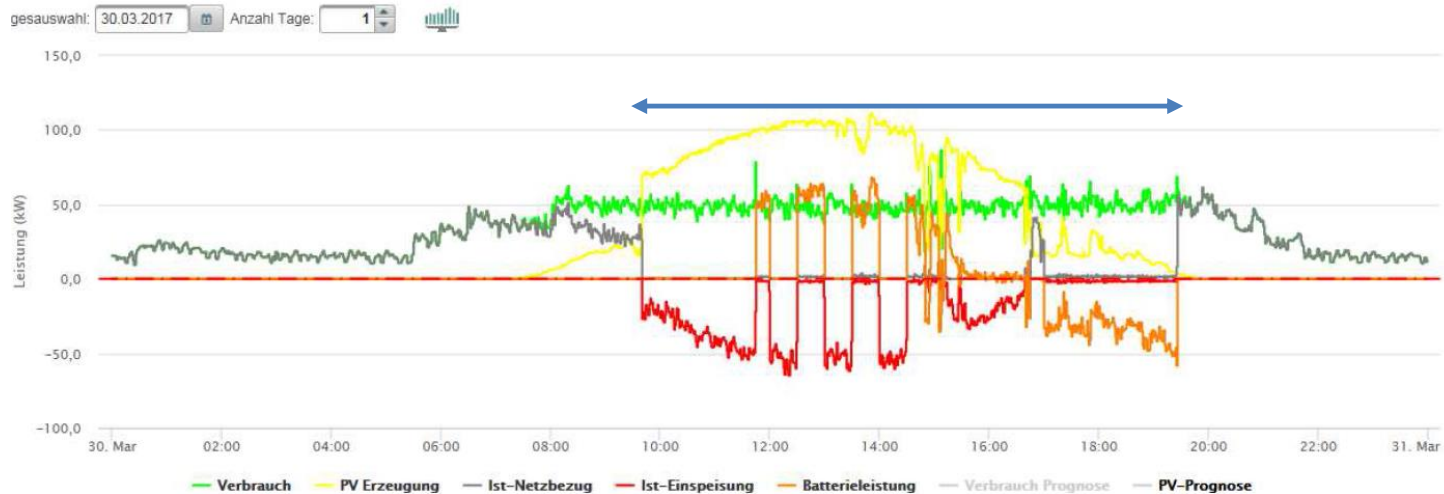
Cells: Li-NMC

Manufacturer: Kokam



Storage system increases annual self-consumption by 10%

100 % autarchy from 10:00 – 19:30h

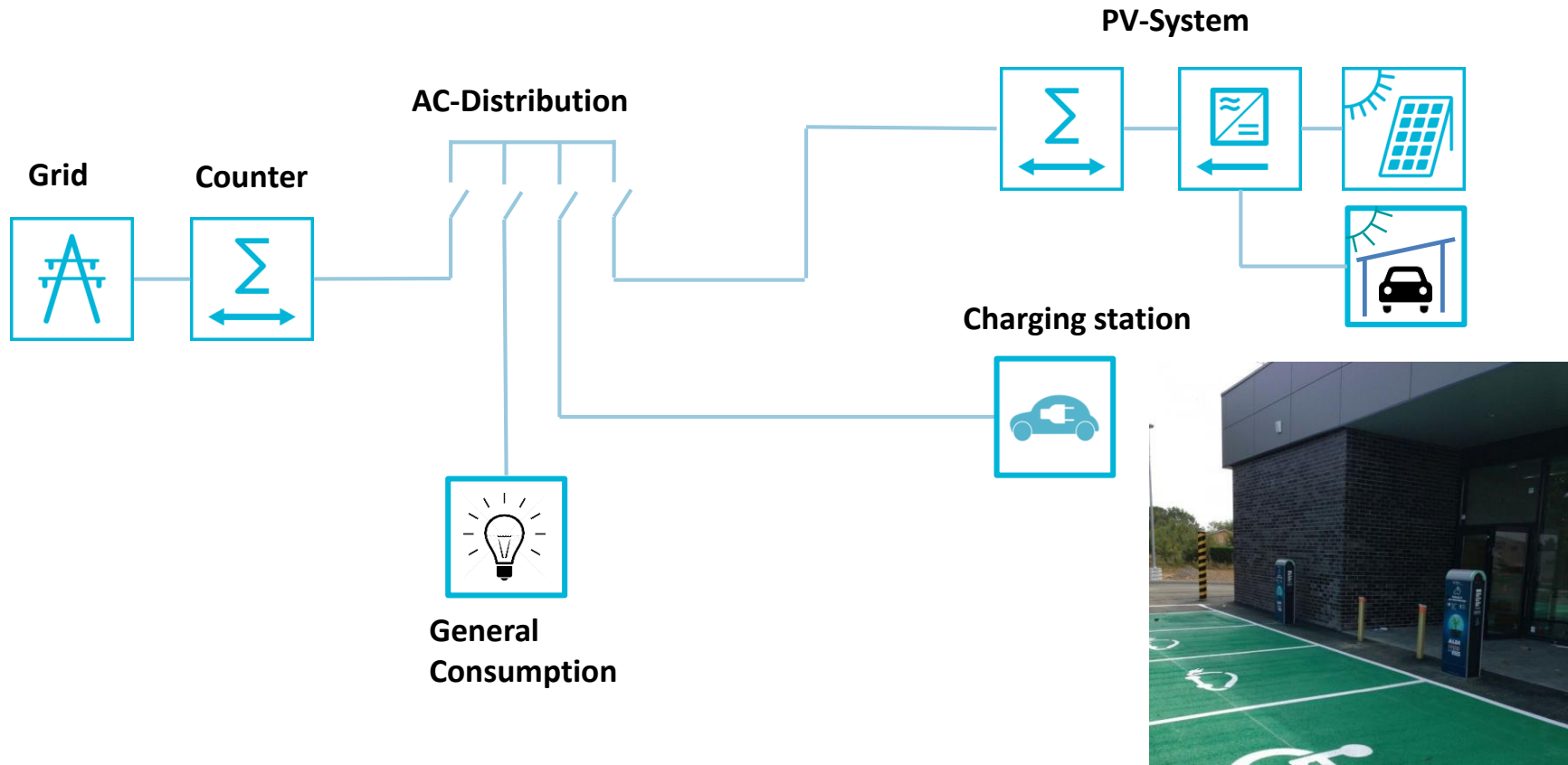


PV self consumption

Project	PV-System	Consumption	Self consumption
Luisant (28)	97,52 kWp	225 MWh	83 %
Rumilly (74)	99,36 kWp	225 MWh	67%



Future developments - EV-charging stations



Merci pour votre attention!

