

Real-World Labs

Charging and Operations

Testing Opportunities



Vehicle fleet & chargers

- Four dedicated EVs incl. full data access
- AC & DC chargers up to 350kW on site incl. OCPP smart charging
- Extended in-situ measurement setups



CoSES microgrid lab

- Represents five buildings
- Quadruple sector coupling

In-house dynamometer

- max. 250 km/h & 280 kW
- Pedal robot for cycle tests



Shaping the transition

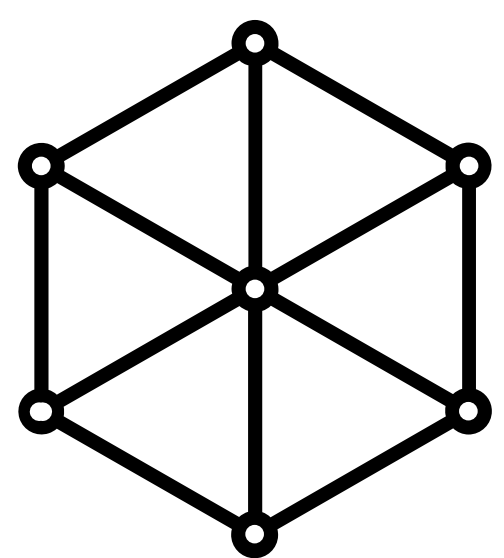
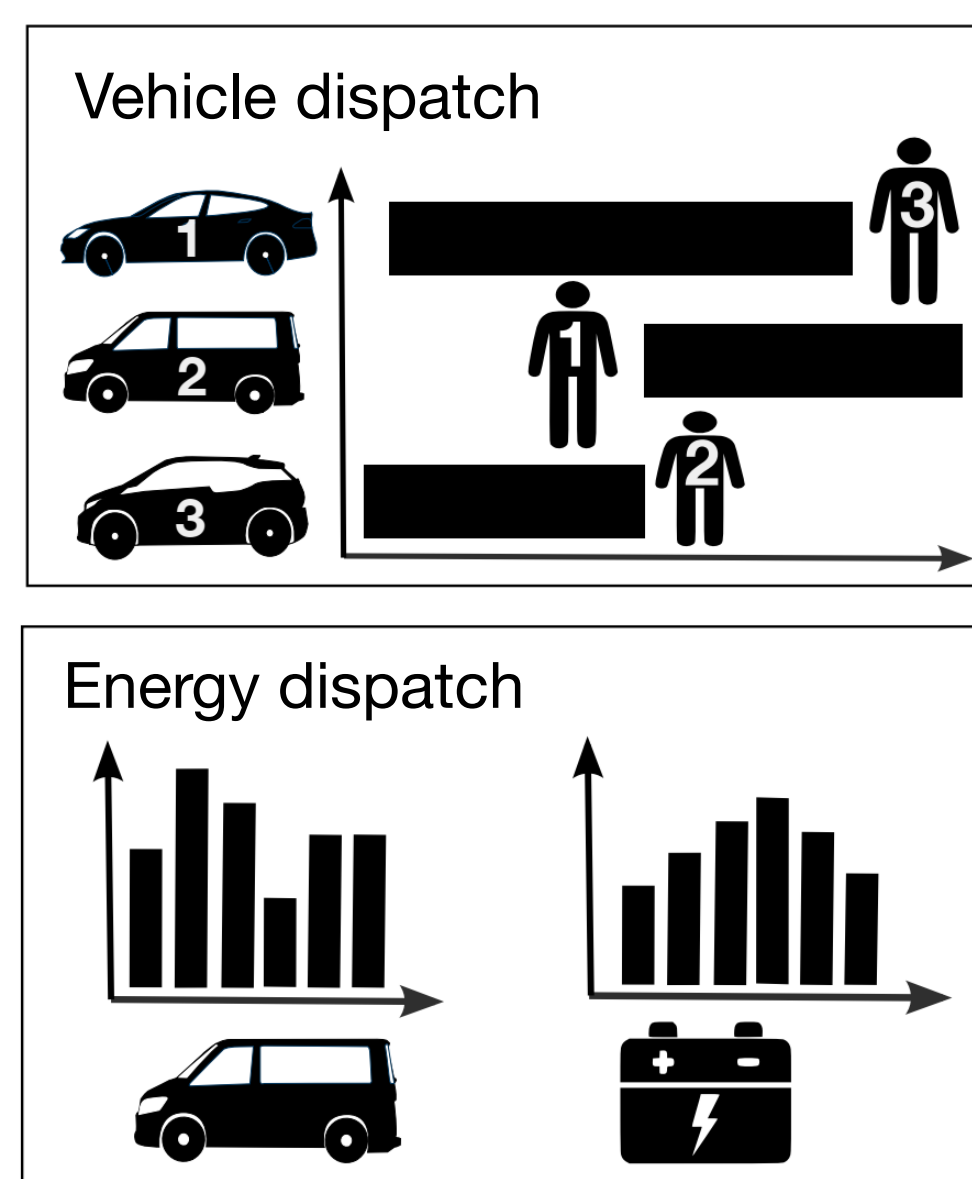


Customized consultation on electrification pathways

- Fleet size & composition for current mobility patterns
- Charging infrastructure

Automated fleet dispatch for commercial applications

- Most efficient order fulfilment
- Minimum energy cost



MCube

Munich Cluster for the Future of Mobility in Metropolitan Regions

Multidisciplinary cluster on Munich's urban mobility

- Electrify & Automate for quality of time, space & air

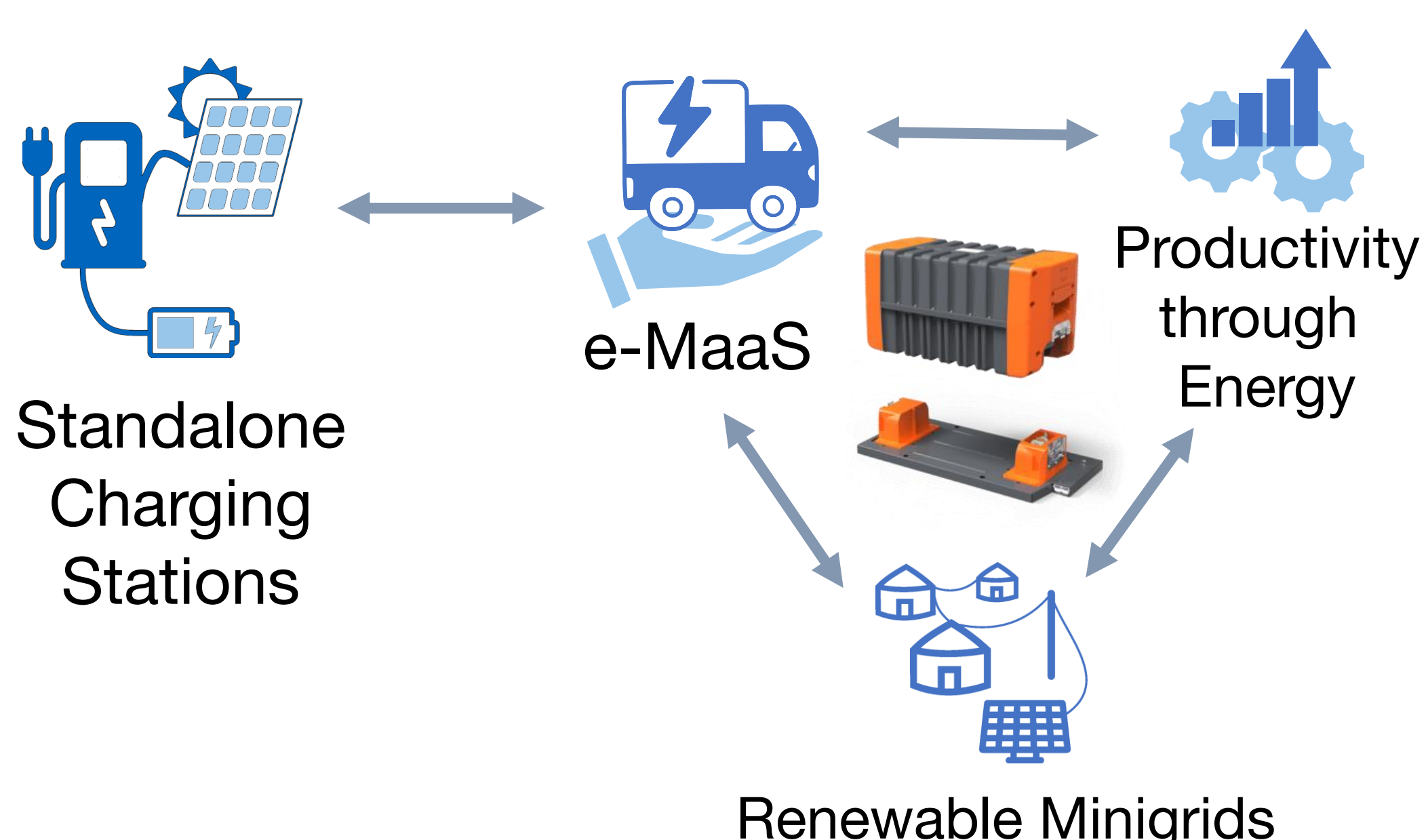
We ensure scalability.

Solving global challenges



aCar & SolChargeE: Unlocking the joint potential of e-mobility and rural electrification in Africa

- Integration of EVs in agricultural business
- Optimum share & design of charging solutions
- Modular battery systems for cost-efficiency



Showcasing innovation

ComfficientShare: Car sharing made appealing

- District-level availability for high user comfort
- Finding the balance between large and small scale
 - Insights on transitional behavior & battery aging
- Clever charging management minimizing electrical load



NEFTON & SPIRIT-E: Enabling battery electric HDVs

- Megawatt Charging for long-haul logistics
- „Shared Hub“ pilot accelerating charger scale-up
- Charge point reservation for maximum reliability
- Bidirectional vehicle integration for secondary revenues & savings both behind & in front of the meter

