



MESH CRAFTS
ZERO EMISSION, NO HASSLE

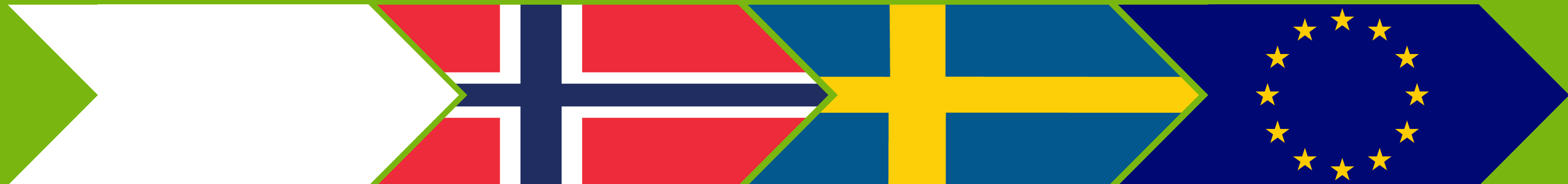
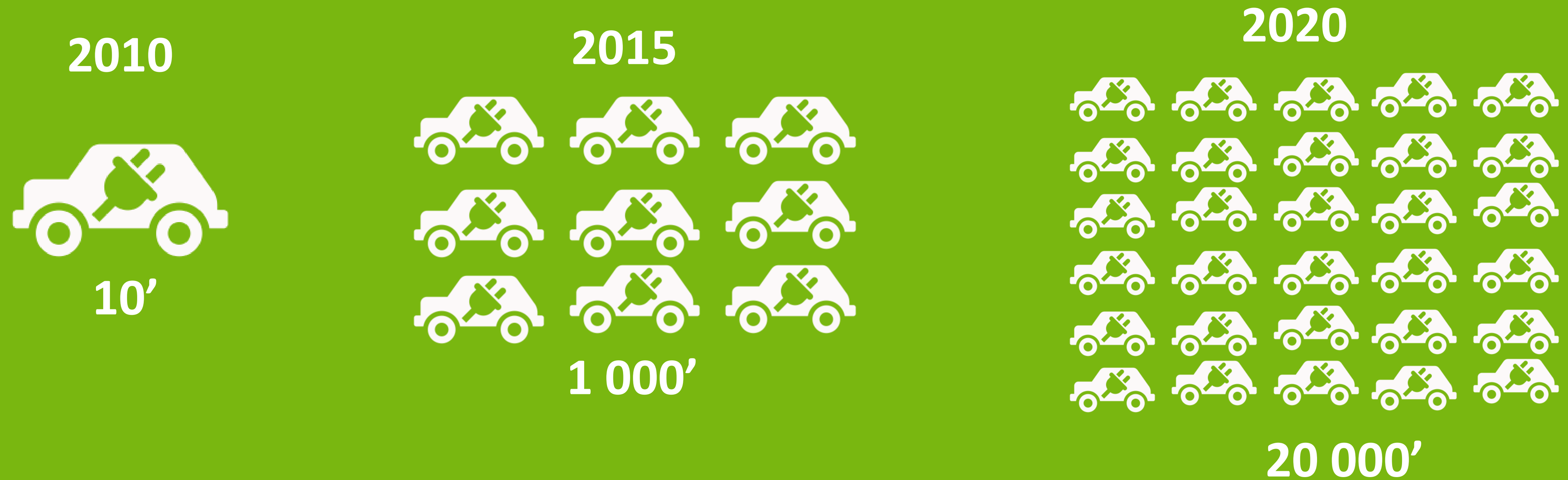
Norwegian EV market development, Challenges, opportunities and the way forward

Åsmund Møll Frengstad

28.11.2017

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Electric vehicle market.



EV per capita 2016: 1 EV per 35 capita

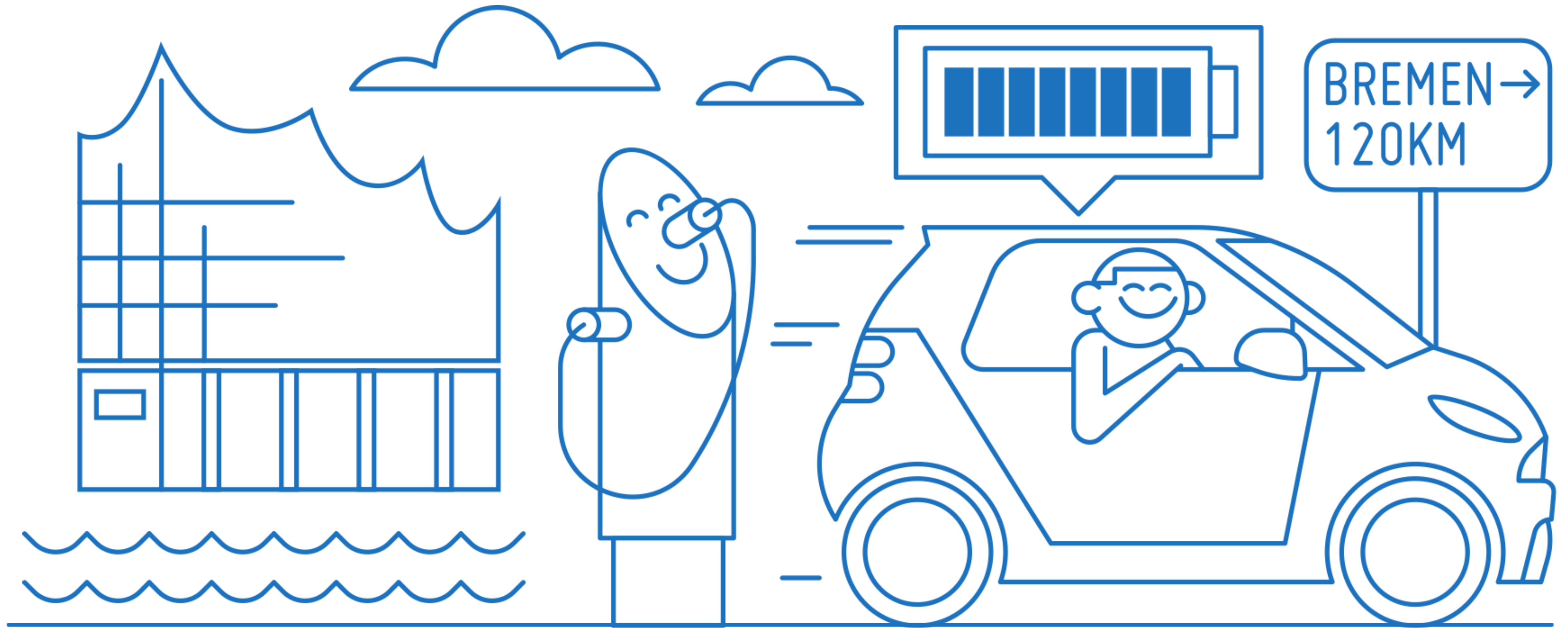
1 EV per 1250 capita

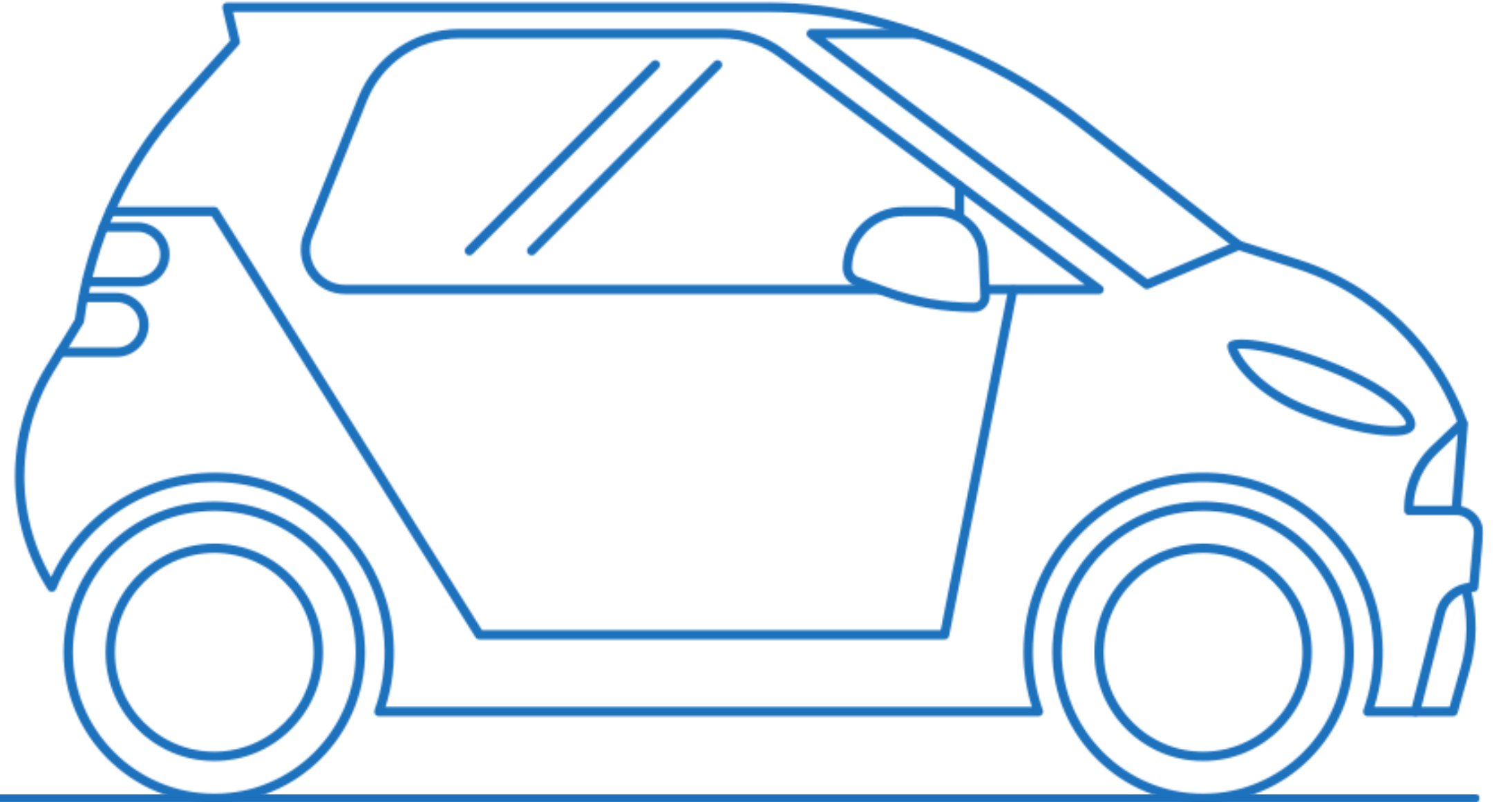
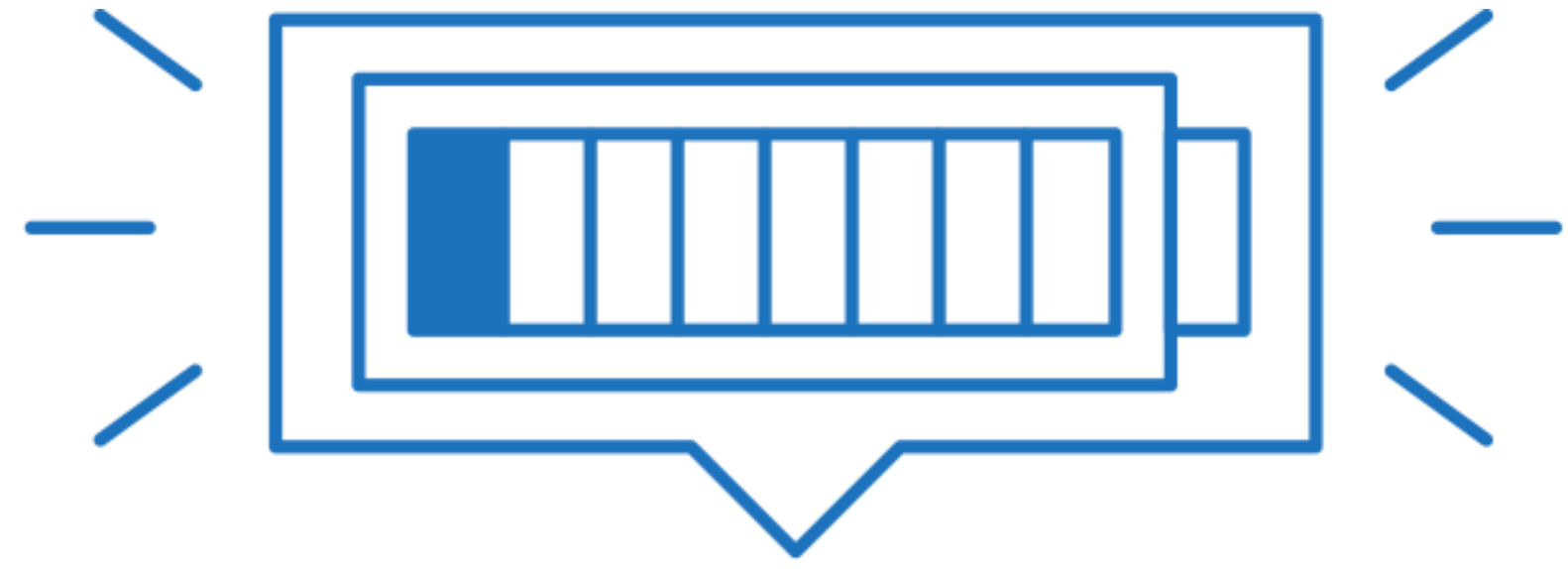
1 EV per 7 000 capita

Why have the EV acquired that market share?



- Number of charging points
- National Fast Charging Networks
- Low cost of electrical energy
- Easy access
- EV incentives
 - No VAT
 - No toll fee
 - Low registration fee
 - Free parking in public parking areas
 - Free energy in public parking areas







Our marketplace for electric
vehicle charging makes
the revolution of e-mobility
easy, fun and profitable





11.000

Charging Stations in the app



swb

Schneider
Electric

**OSLO
TECH**

nofuel.no

SIEMENS

ABB

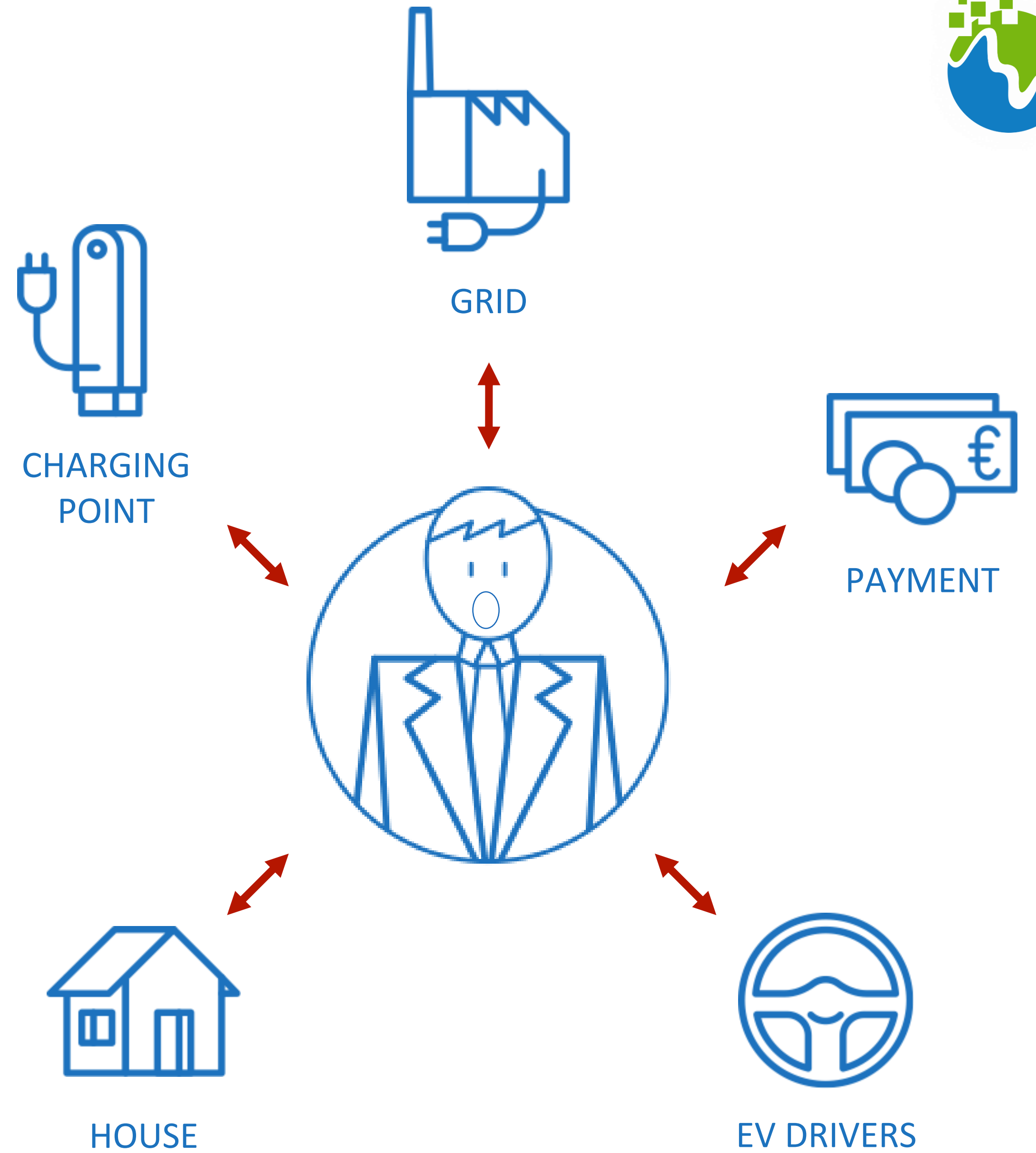
CIRCONTROL
Mobility & eMobility

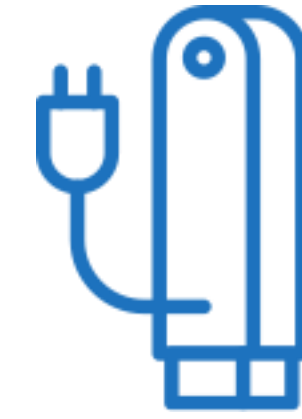
ENSTO

MENNEKES®
Plugs for the world

KEBA®
Automation by innovation.

How it works





CHARGING
POINT



GRID



PAYMENT



HOUSE



EV DRIVERS





Customer Journey



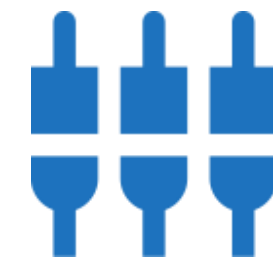
SIGN UP

Create your account, add services, add financial details



SET UP

Choose subscriptions level, digitally signing contracts



CONNECT

Meshcrafts' team will control and connect your e-mobility business



GO LIVE

Ready to use your service, attract EV- woners, earn money

SmartCharge - Platform



CHARGING
POINT



- App – EV driver
- Web interface
 - Charge Point Operator (CPO)
 - Distributed System Operator (DSO)
 - Service and Support
 - End user

SmartCharge - Hardware



CHARGING
POINT



- Supports any OCCP compatible hardware
- Schneider Evlink
- KEBA
- Veniox
- CirControl
- Ensto
- Zaptec
- ABB

Customer Benefits

- EV driver



EV DRIVERS



- Hassle Free Car Charging
- Real time data on charging
- Navigation to chargers
- Payment on chargers
- Reports on charging
- Historic data

Customer Benefits

- CPO



CHARGING
POINT



- Easy Management
- Optimized capacity usage
- Dynamic energy distribution
- Higher profitability
- Lower investment cost
- Possible income from
 - Energy flexibility
 - Virtual power plant

Customer Benefits

- Grid owner



GRID



- Control of infrastructure
- Optimized capacity usage
- Dynamic energy distribution
- Higher profitability
- Lower investment cost
- Energy flexibility
- Virtual Power plant

Customer Benefits - Municipalities



Municipalities

- Control of infrastructure
- Optimized capacity usage
- Dynamic energy distribution
- Real time information on availability
- Reduced emission
- Data driven city development
- Reduced CO2 emissions



Thank you.



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