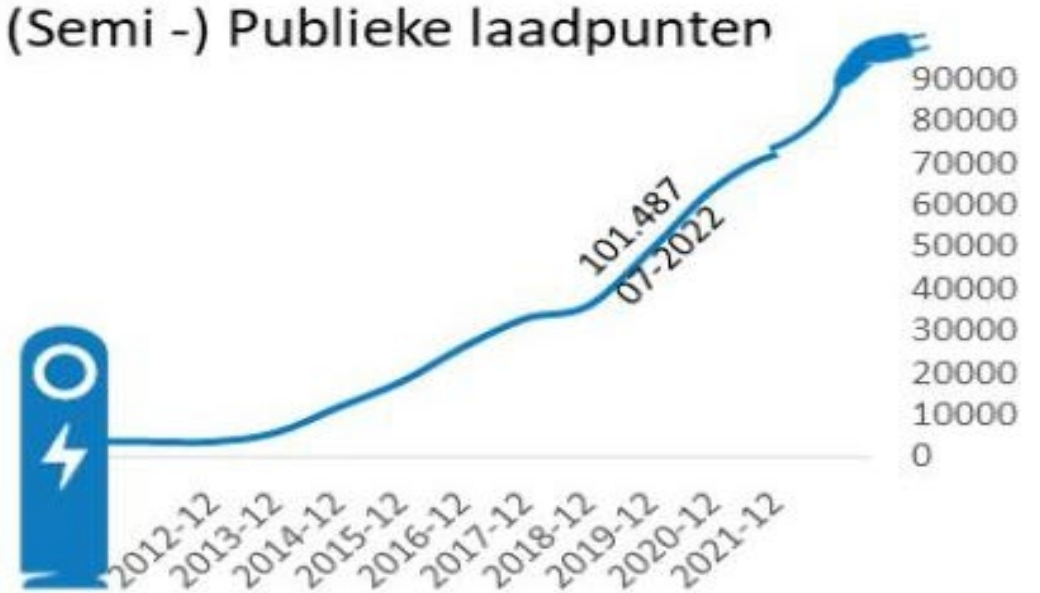
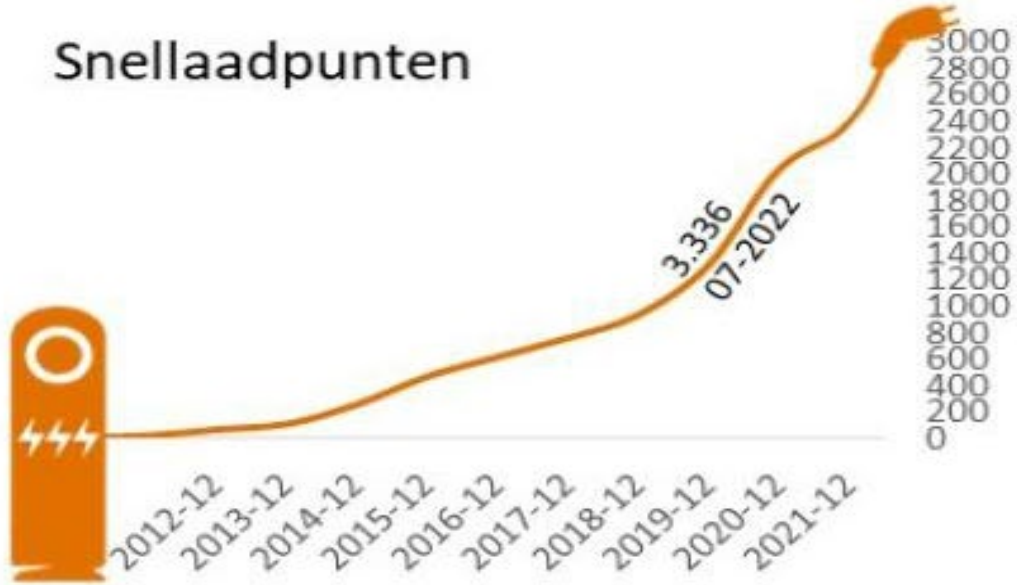
Policies and regulations

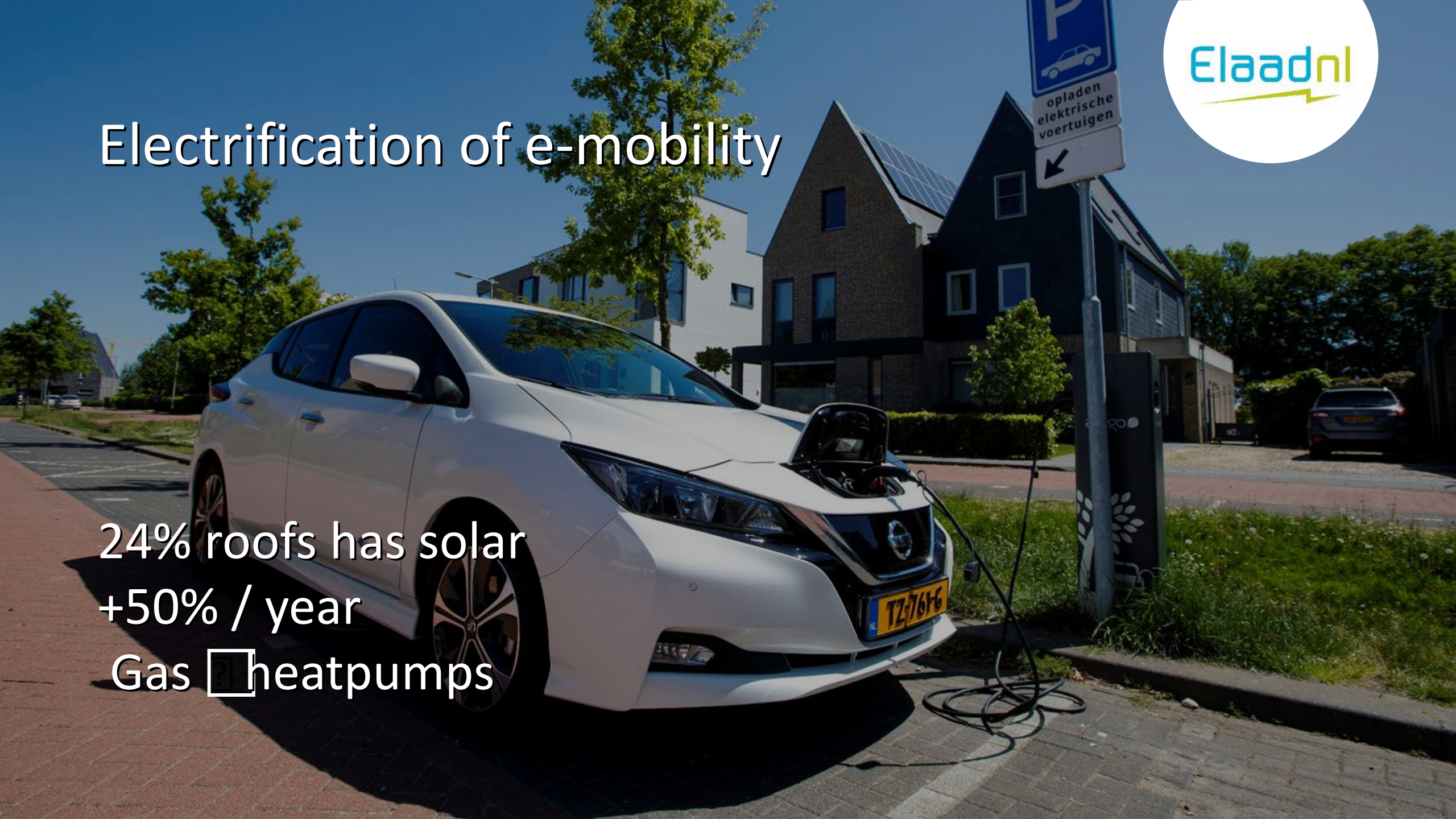
Enabling innovation for urban e-mobility in city infrastructure

MILIEUZONE

Aantallen laadpunten







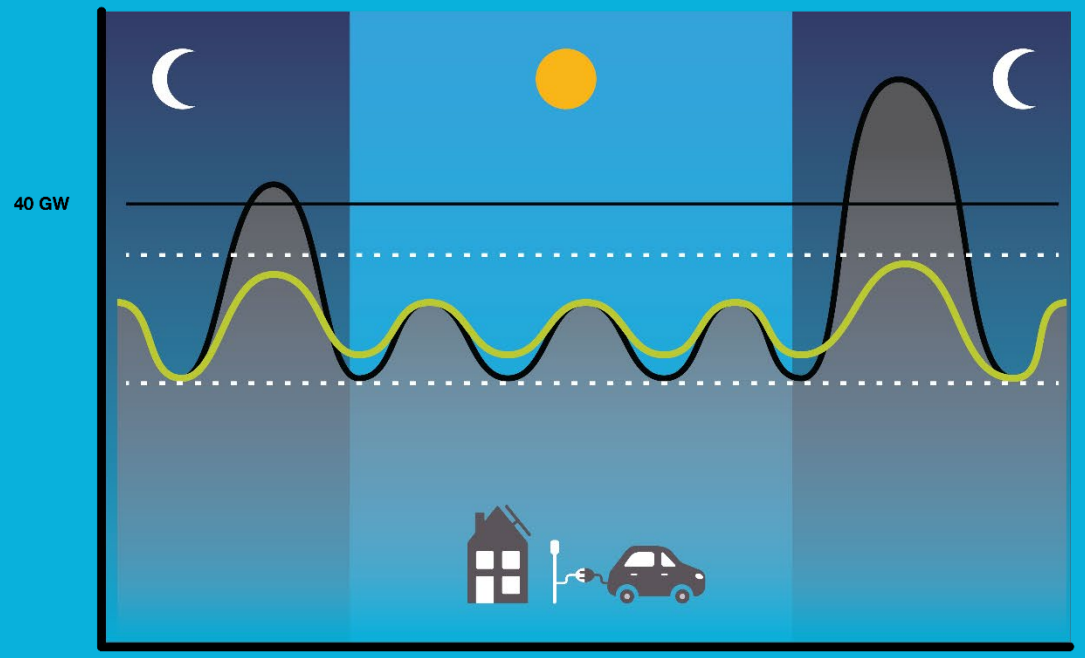
Electrification of e-mobility

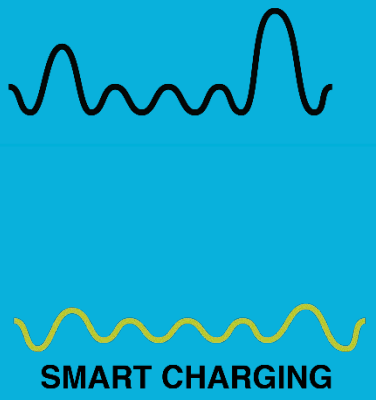
24% roofs has solar

+50% / year

Gas heatpumps

The effect of Smart Charging





Who is in charge of smart charging?

Standardisation

Open standards and protocols

For a flourishing open EV- market: Let everyone participate

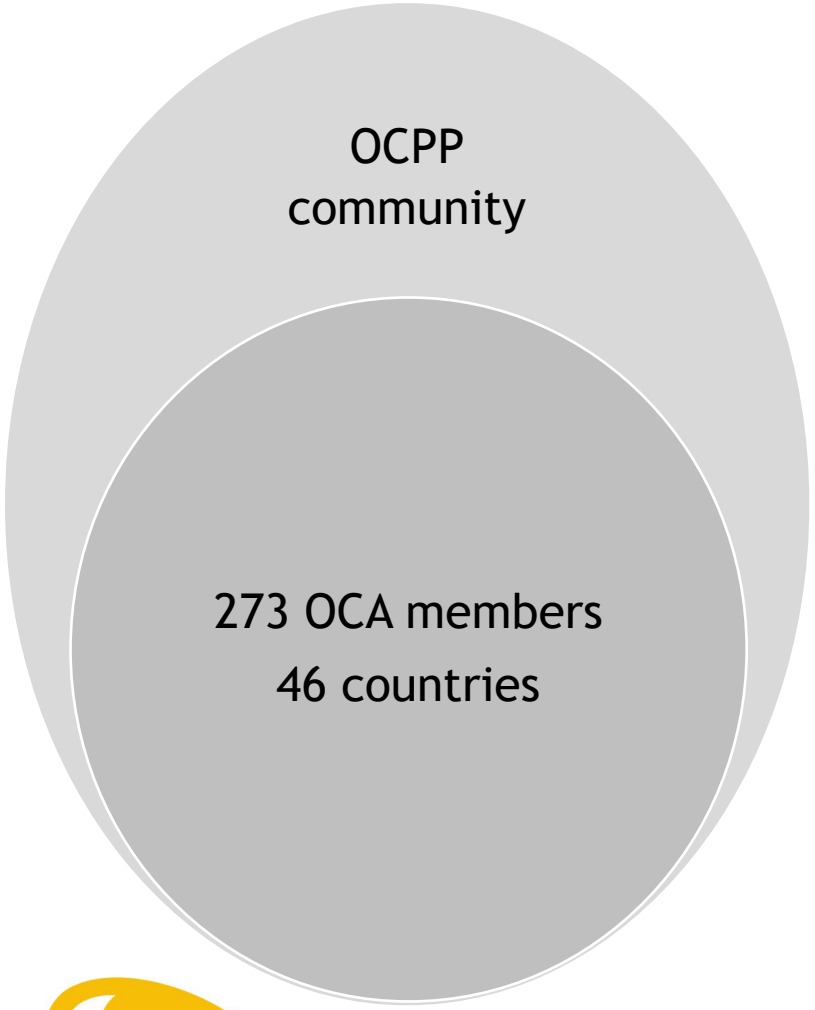
- We need market growth
- It will provide opportunities for many businesses
- Consumers deserve choice, innovation, price competition

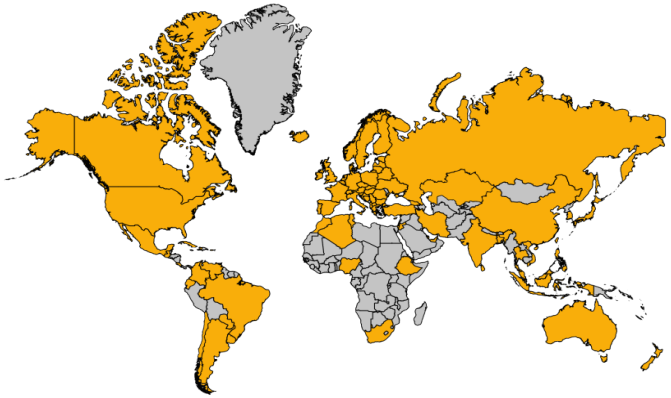
Towards an open market, level playing field

Market rules should be deployed:

- Balance in the market
- Create fair and reasonable conditions
- Clear rules stimulate the needed innovation, improvement of service and price pressure.
- Market rules prevent a lock out of small companies and start ups, or a lock in of consumers

The OCPP community – sharing & collaborating





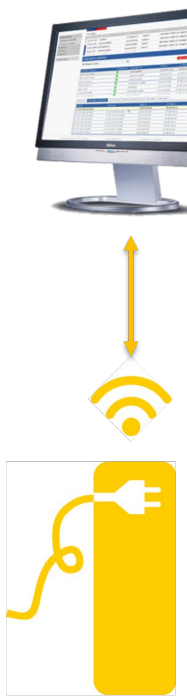
OCPP spec downloads to

- 154 countries
- >72.000 IP addresses

~35 companies actively involved in writing the spec

Open Charge Alliance © 2014-2018

OCPP 2.0 security extensions



Secure firmware updates

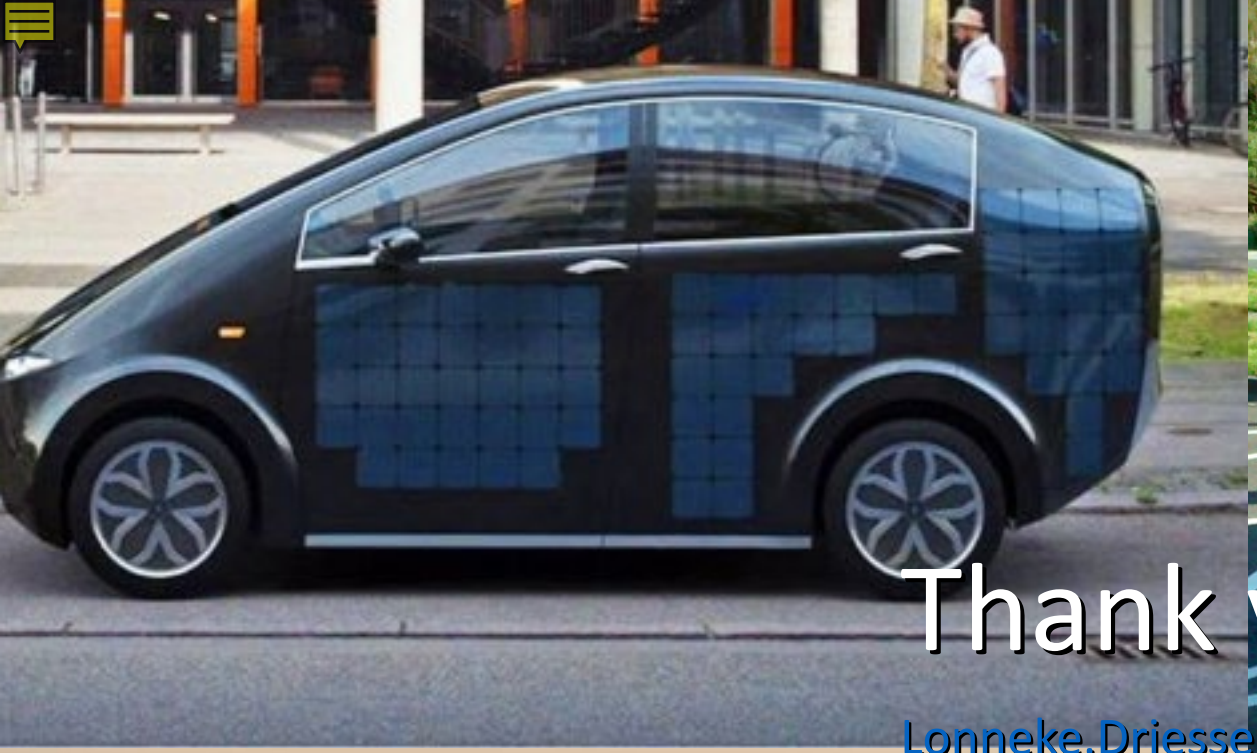
Security logging and event notification

Secure authentication
(key management for client side certificates)

Secure communication (TLS).

Elaad Testlab

Research, develop and test



Thank you!

Lonneke.Driessen@elaad.nl

Baerte.de.Brey@elaad.nl