EFFECTIVE • ECONOMIC • ECO

Road to smart electric vehicle charging

Sharing electricity for lighting and charging

Charging stations are available from many vendors, but the main obstacle is availability of suitable power cabling. This can be added (if local transformer capacity allows), at the cost of digging through the streets. **Seak can use existing public lighting power grid and integrate charging stations into omnipresent streetlamps.** This is the most effective way of building large EV charging infrastructure for citizens.

AC charger with 22 kW and Mennekes (Type 2) connector

Simple application for charging management

Intelligent charging with load balancing

Available in three designs

Customized design of LUMiCHARGER

Wallbox

wall- or pole-mounted

Technical datasheet

Integrated into public lighting

EV charger socket integrated to lamp poles (inner diameter of the pole from 120 mm)

Selfstanding EV charger

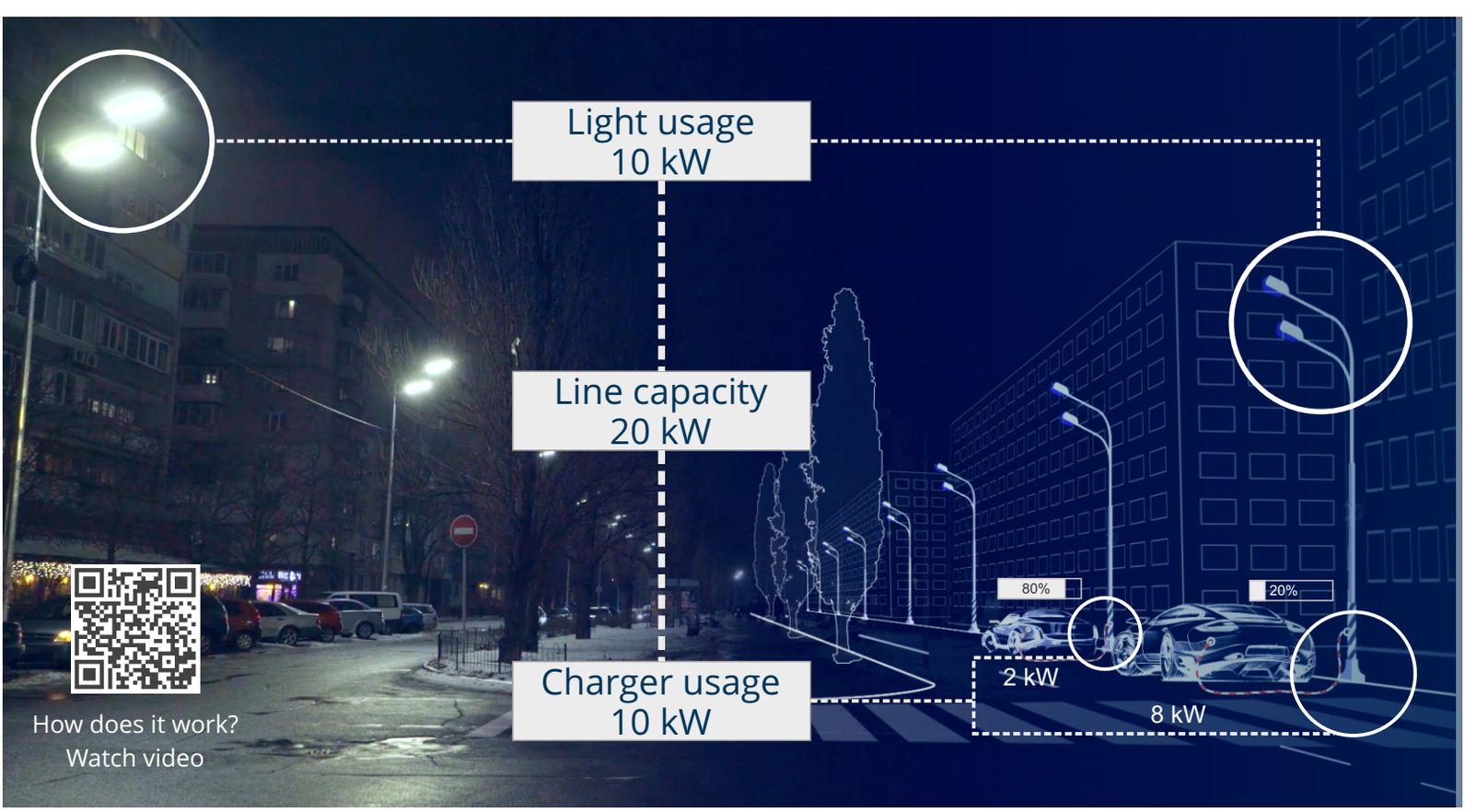
suitable for parking, where there are no lamps or wall nearby

Jednoduchá aplikácia pre správu a používanie nabíjačiek LUMiCHARGER

Integration with smart public lighting

Utilizing existing lighting power grid for cars

During the day, street lighting remains in standby mode and we use full line capacity for EV charging. At night, part of the capacity is used for lighting, the rest is shared between connected cars. Intelligent dimming of luminaires (in times and places where no 100% intensity is required all night) increases even more the maximum power we can deliver to vehicles. Lighting always has priority, the rest of the capacity is automatically evenly distributed among charging cars according to their charging ability.



Authentification variability

Possibility to integrate with local online payment

Charging management system allows you to manage individual users, their charger access / charging speeds, and charge their credit cards or get the reports for billing. You can also specify for each charger whether it charges without authentication (e.g. customer parking) or requires authentication (employee parking). The mode may change over time (free charging free during the parking hours) or use only green energy (photovoltaics) for certain users.

QR-code authenticated charging

RFID authenticated charging

International award

ZLATÁ MEDAILE urbis 2018

INOVATÍVNY ČIN ROKA 2018

The first awards come after the first pilot projects

Bratislava

Sabinov

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