

SEAK offers the opportunity to extend charging infrastructure with affordable stations for your city. We can use the existing public lighting network and integrate these public charging stations into omnipresent lamps. Because Intelligent lighting and charger control is integrated, you can use existing power line for lamps and charger. It is not necessary for the chargers and the new cable to dig the whole street.

Integration with public lighting

EV chargers mounted on lamp poles communicate with SEAK SMART CITY lighting control system to negotiate the power available for EV charging. 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 for 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.

Day: Luminaires at 0 %

Line capacity: 16 kW

Charging: 8 kW

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Night: Luminaires at 80 %

Line capacity: 16 kW

Light: 5 kW

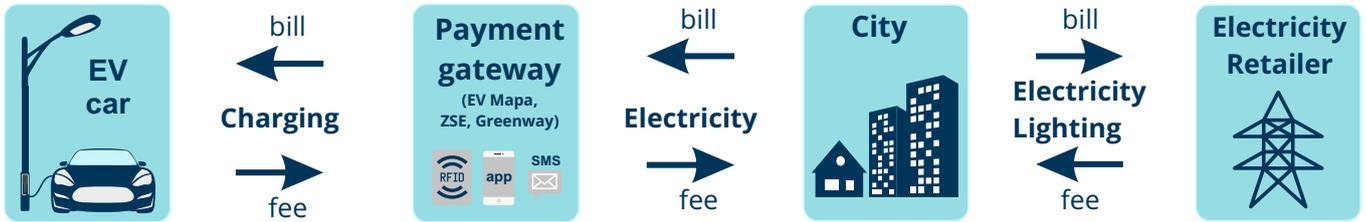
Charging: 8 kW



Two ways to use chargers

1. Stand-alone EV charger (one or two sockets)
2. EV charger sockets integrated into public lighting

Charging conditions and payment



International smart award



At Urbis Smart City 2018, the LUMiCHARGER won the Urbis Gold Medal Award for the most innovative Product, when the commission appreciated "the simple deployment of charging stations into existing public lighting network without the need to install additional communication or power cabling with automated electrical load balancing with the lighting system."

Four new LUMiCHARGER - electric vehicle chargers (4x Mennekes Type 2) installed on Metodova Street in Presov

