

KOLBEV

Dr. Jakub Kwapisz

We envision a world where renewable energy is universally accessible by providing seamless on-demand charging of electric vehicles (EV) in cities.

Business opportunity



Swiss apartment ownership rates are low:

Basel-City 16% , Zurich 28% , Luzern 35%

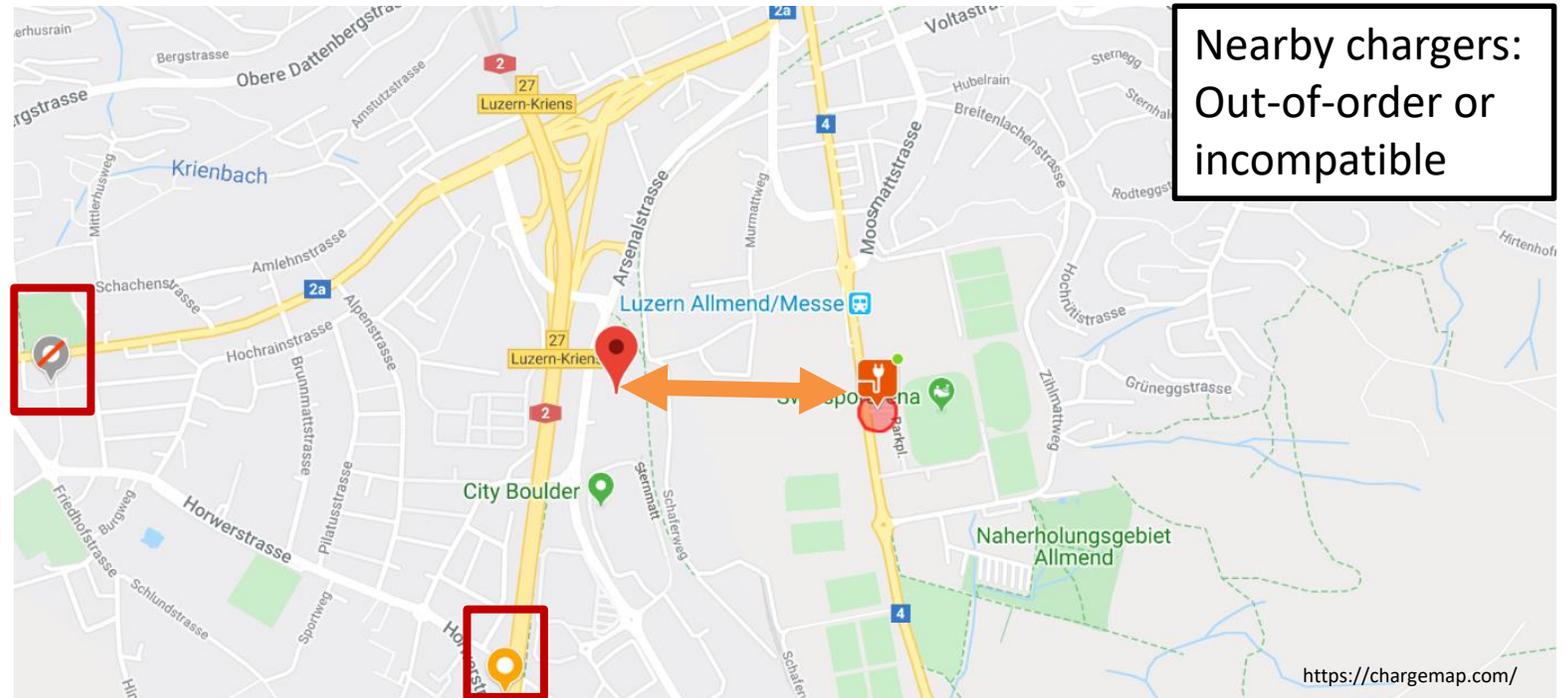


Business opportunity

Public charging

- Time consuming
- Unreliable
- Wasteful (extra trip)

e.g. Arsenalstrasse 28, 6010 Kriens



2 x (20 min, 1.6 km)



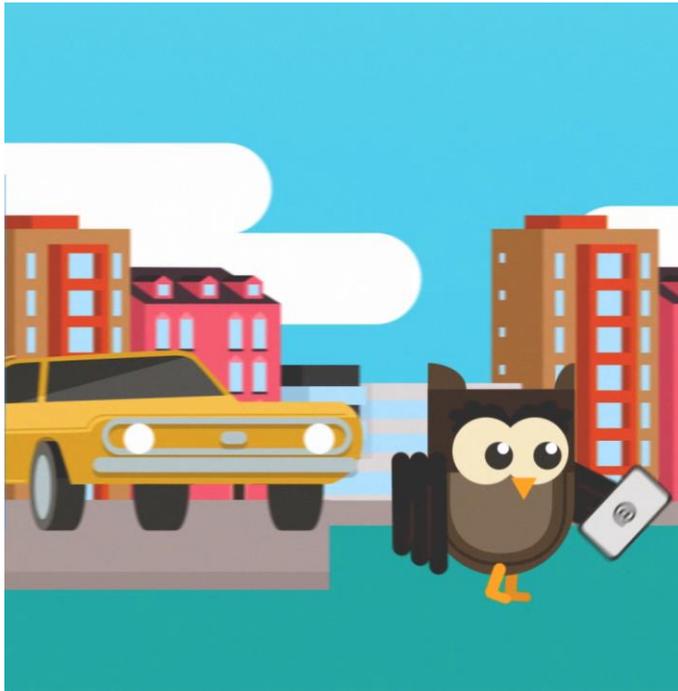
2 x (20 min + 2.5 CHF)

Business opportunity

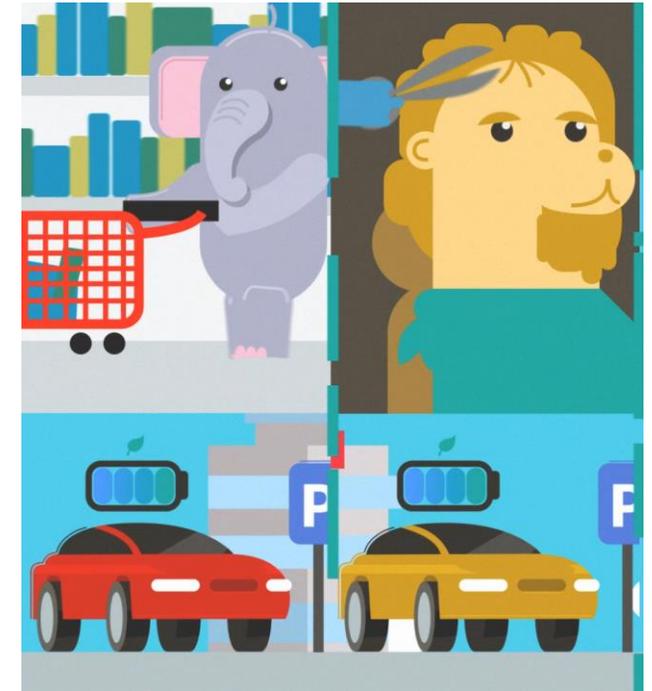
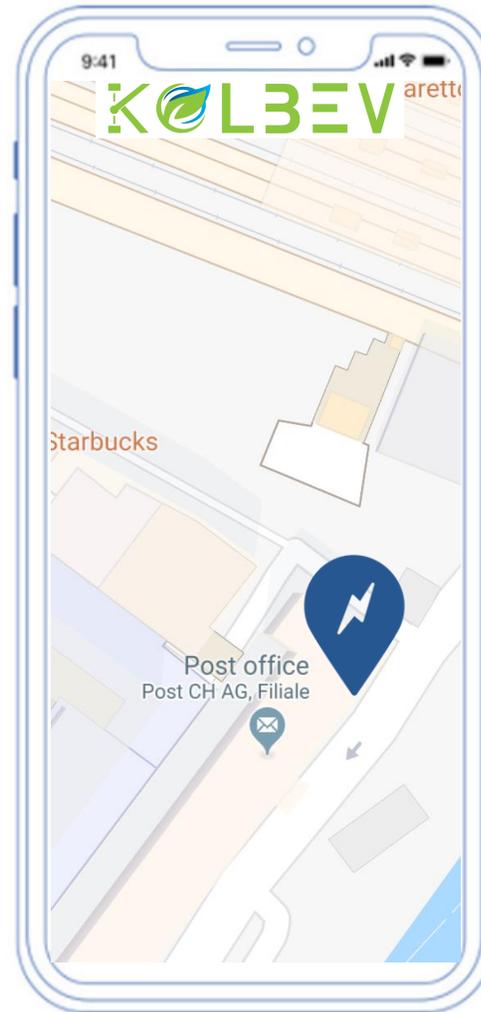
Charging station for every parking space \neq Sustainable smart city



Innovation / IP-protection



Parking wherever and whenever

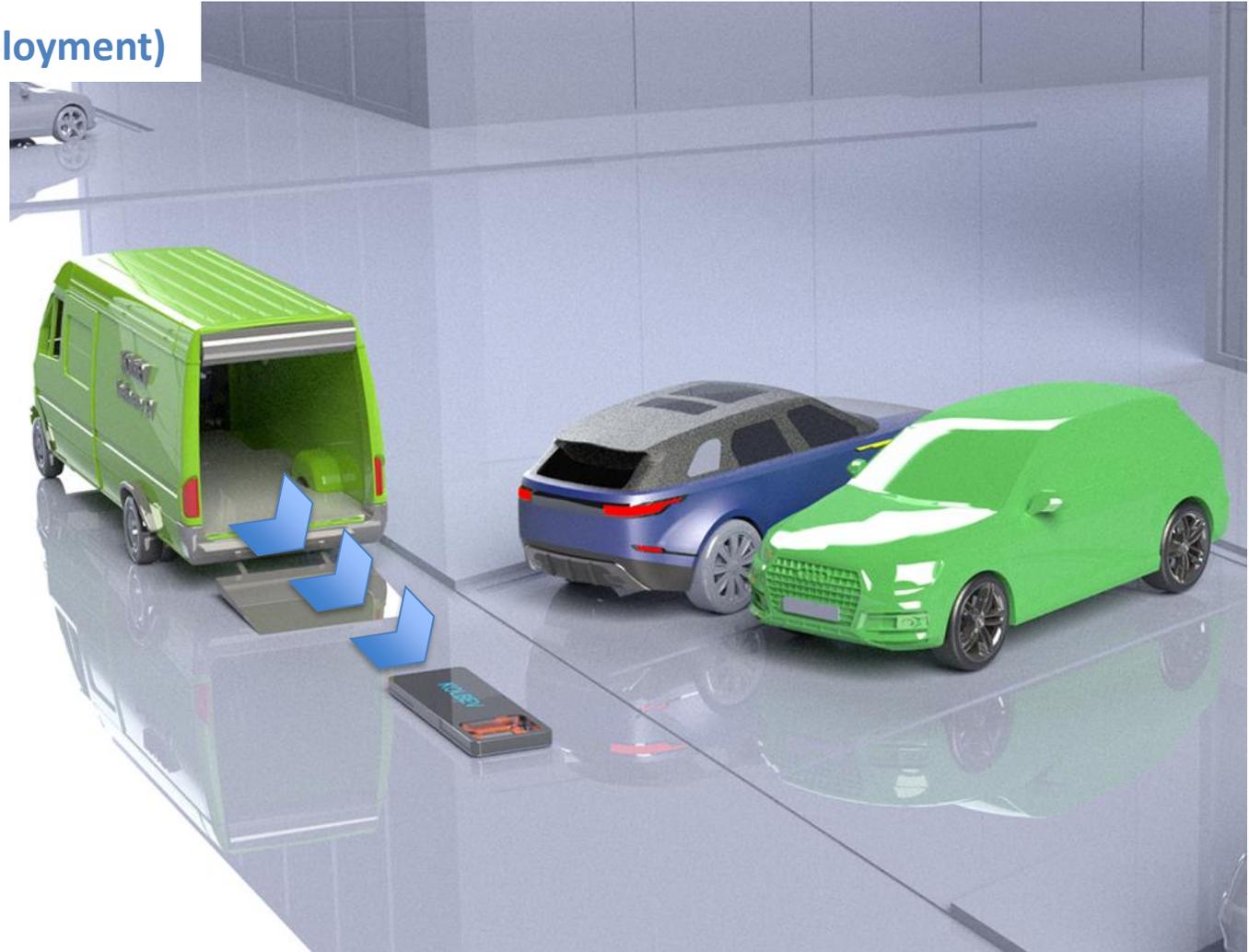


5 – 80 % recharge of battery,
opportunity charging,
on-demand, on site

Innovation / IP-protection

I. Charging Request (Robotic Mobile Charging Station deployment)

Patent
Pending



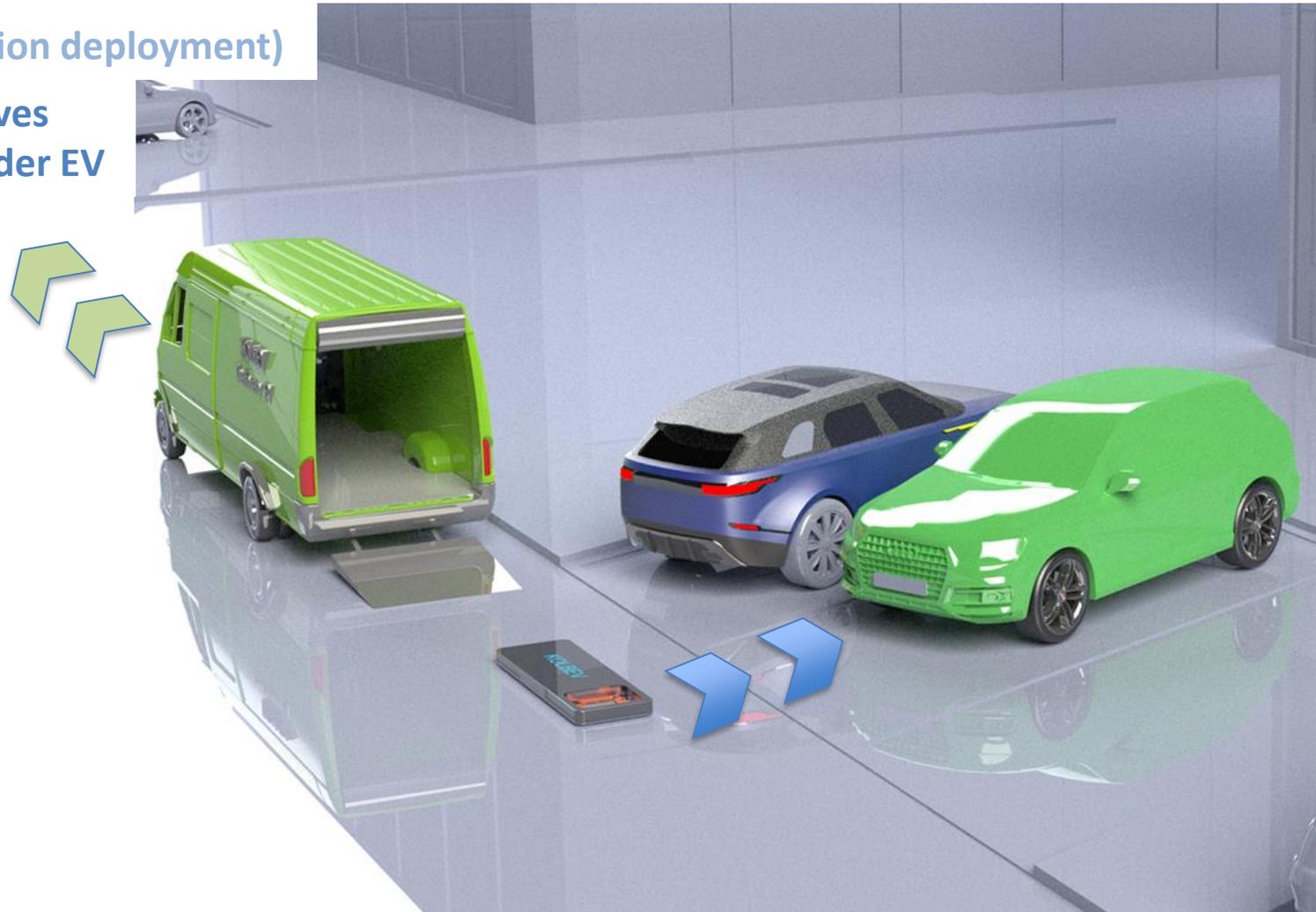
Innovation / IP-protection

I. Charging Request
(Robotic Mobile Charging Station deployment)

II. Delivery Electric Vehicle leaves

III. Autonomous alignment under EV

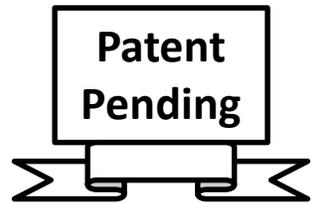
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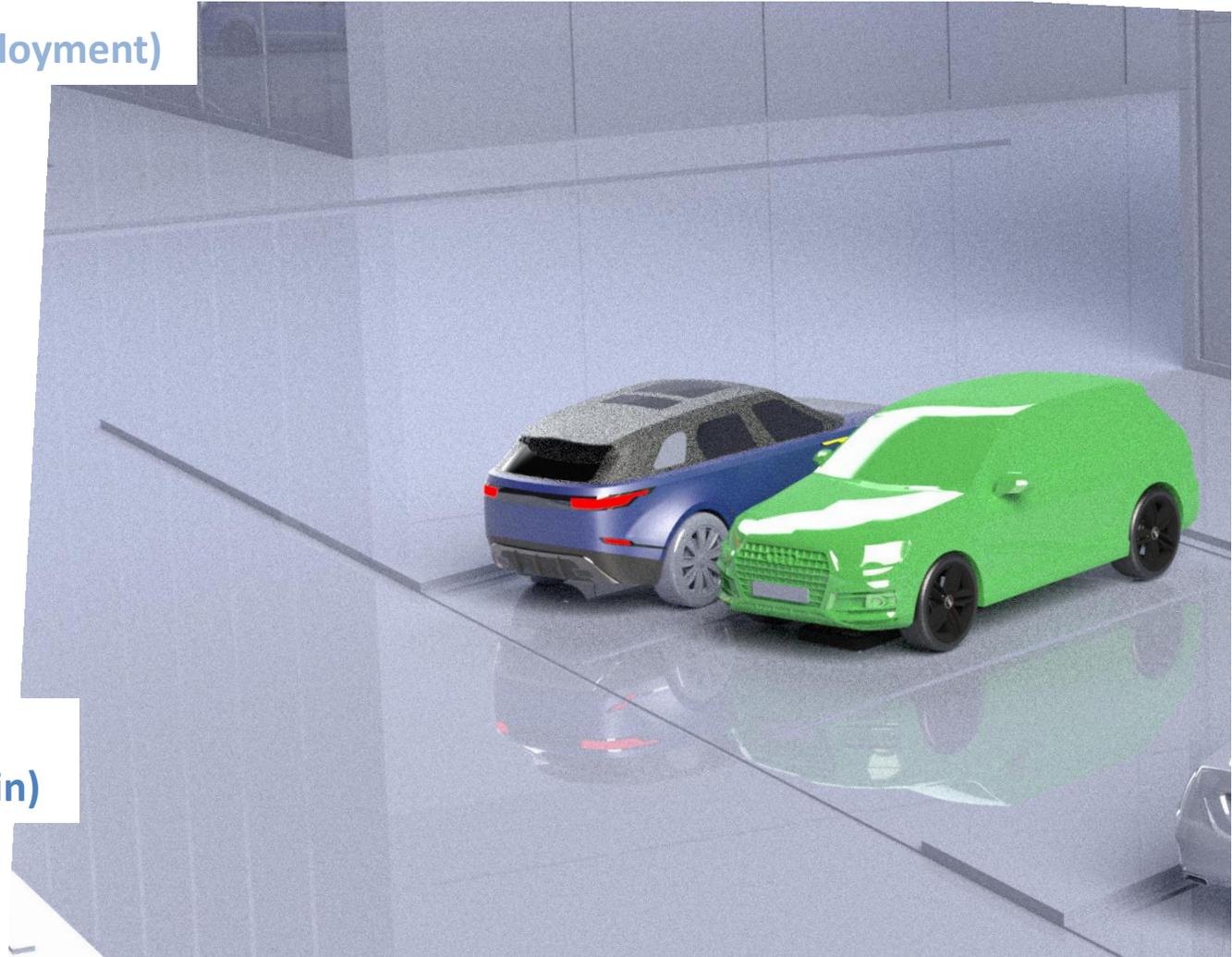
Innovation / IP-protection

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IV. Charging
(Sale of renewable energy during X min)

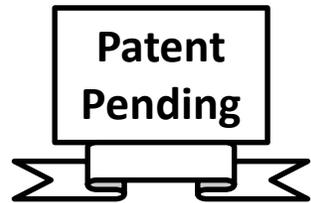


Innovation / IP-protection

I. Charging Request
(Robotic Mobile Charging Station deployment)

II. Delivery Electric Vehicle leaves

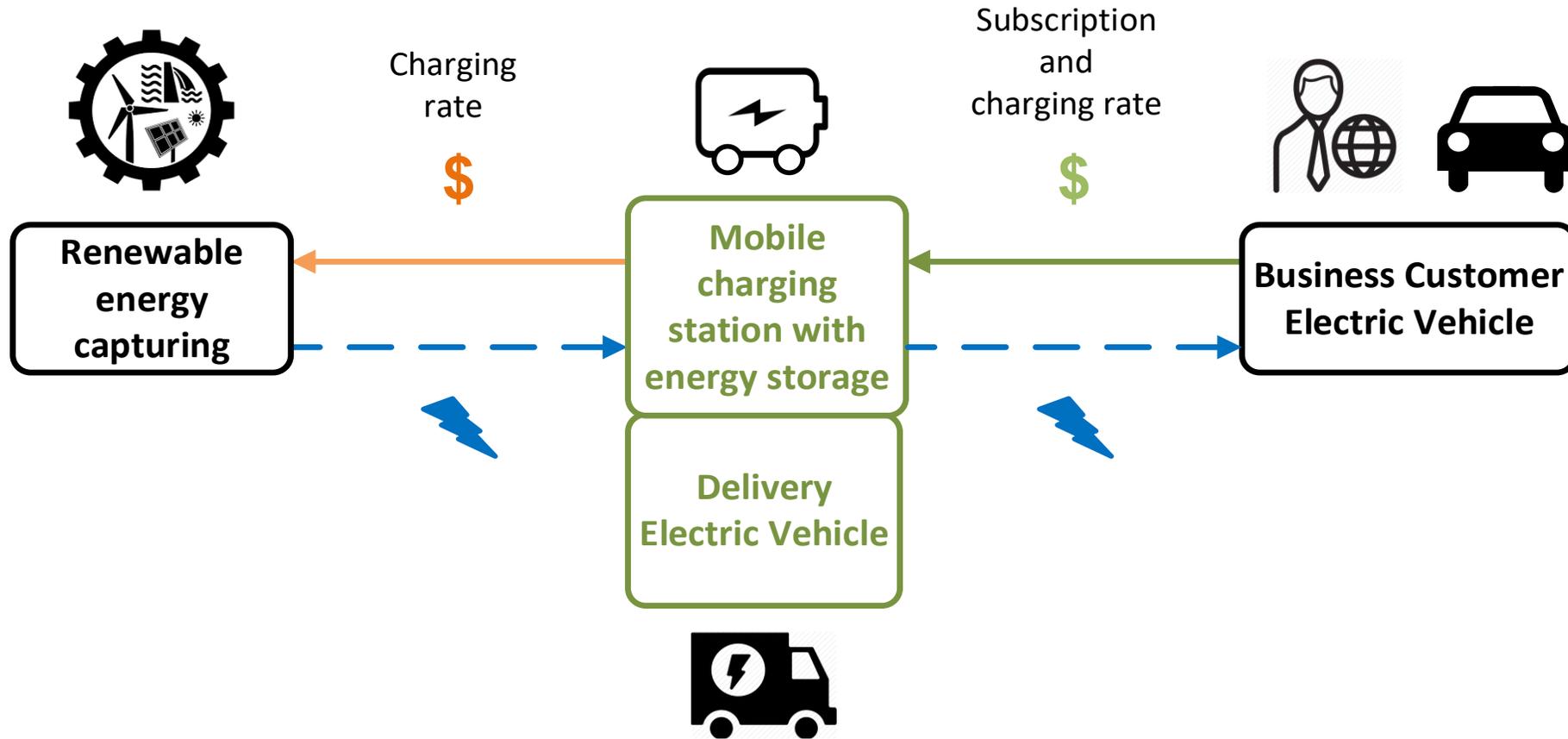
III. Autonomous alignment under EV



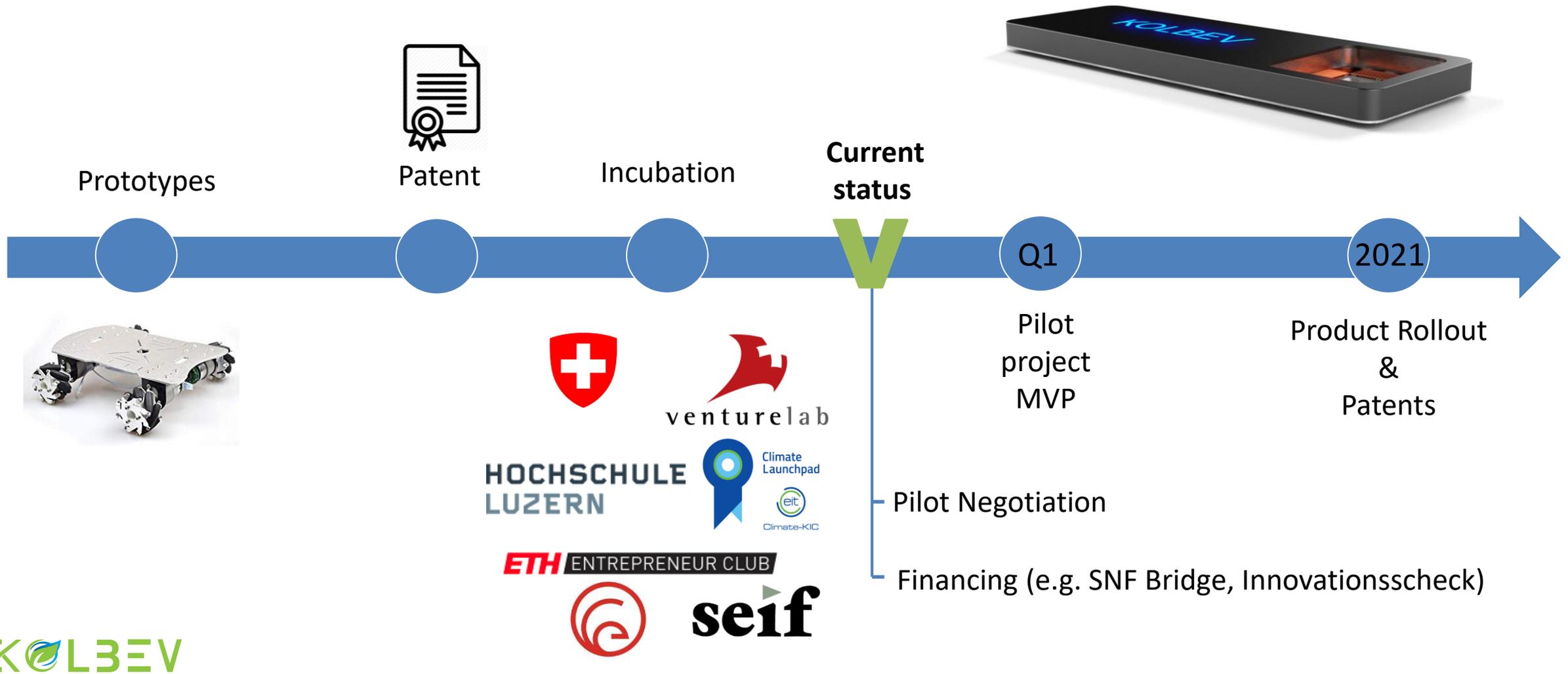
IV. Charging
(Sale of renewable energy during X min)

V. Request completed
(Robotic Mobile Charging Station pick up)

Business Model



Achievements / Roadmap



Team



PhD in Mech Eng,
+7 years in Automotive industry
(e.g. Autoneum)

Jakub Kwapisz



PhD in Robotics,
+8 years in Automation industry
(e.g. Infinity)

Adam Silver



Mech Eng,
+3 years in Renewable industry
(e.g. Orcan Energy)

Roland Schmid



Ph.D. in Earth Sciences
at ETH , experience in
simulation

Pei-Ju Rita Shih

Advisors



Paola Ghillani - Innosuisse coach



Laurent Issner - Advisor, SEIF coach

Business opportunity



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Business opportunity

Electricity sale for EVs
in cities in 2025

Global EV charging infrastructure
market in 2025

