

DECARBONIZING FRONTRUNNERS

Urban Future. Helsingborg | June 2022

© iStock/Creativemark



Grazer
ENERGIEAgentur



Renewable energy
Energy efficiency in
buildings



Energy planning in
cities and
communities



Sustainable
mobility concepts



DI Robert Schmied

Kaiserfeldgasse 13/1, 8010
Graz

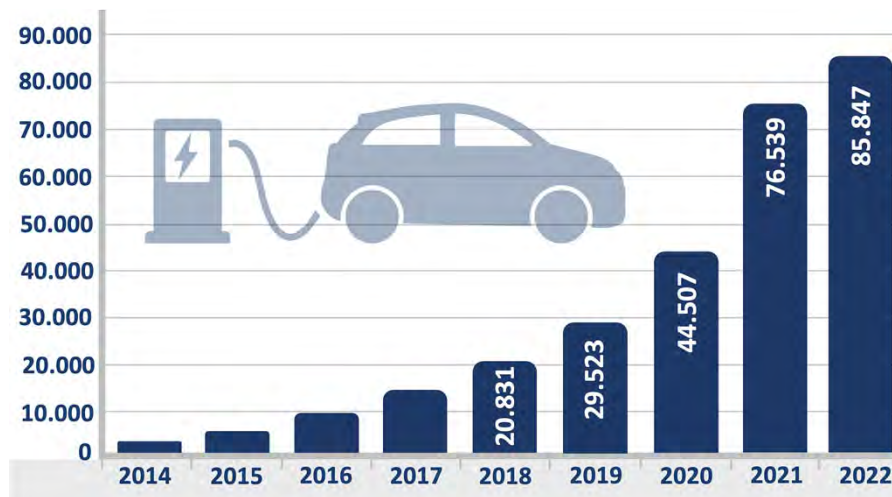
0316 811848-0

schmied@grazer-ea.at



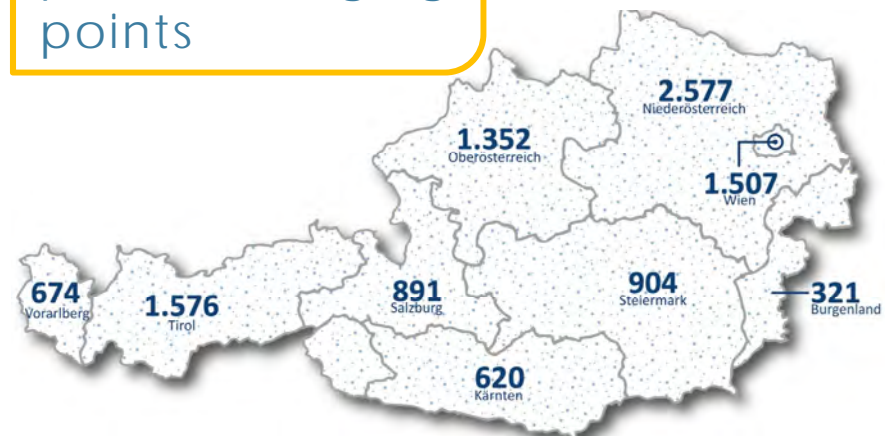
Model regions in Austria

E-cars in Austria 2022

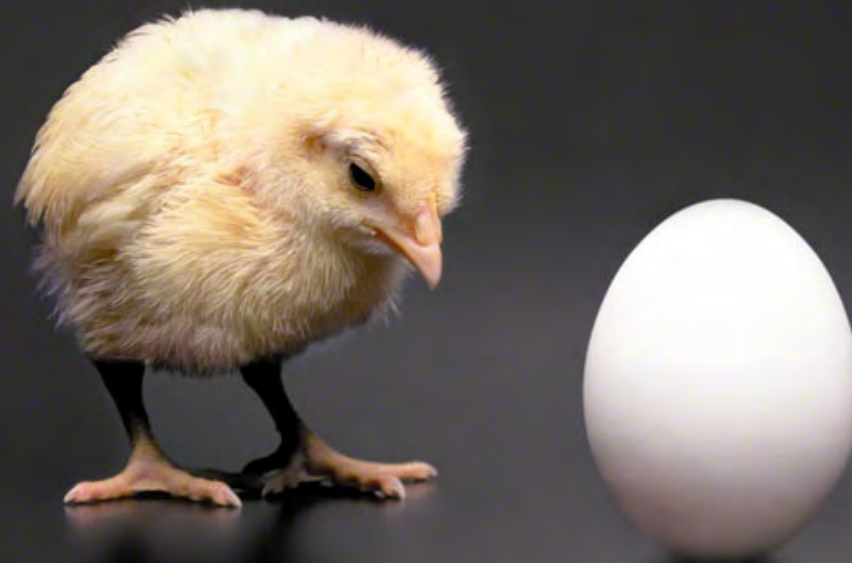


Charging points

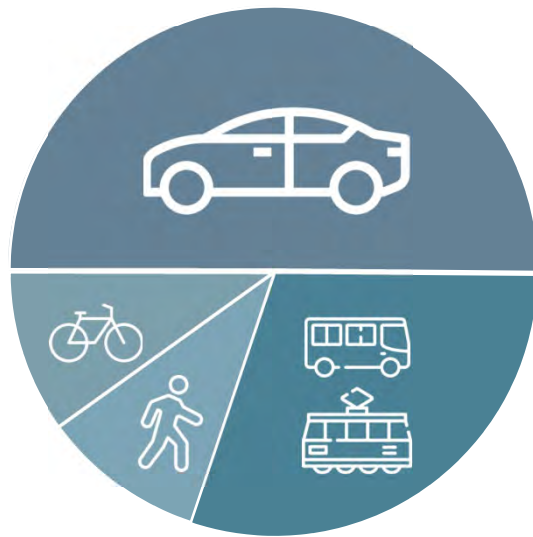
10.400
public charging
points



WHO WAS FIRST ?



MODAL SHIFT IN THE FUTURE



2010



2030



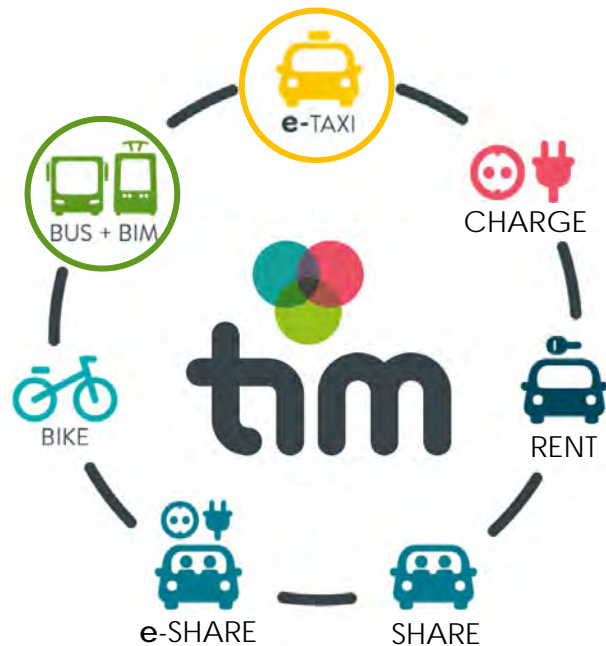


VISION

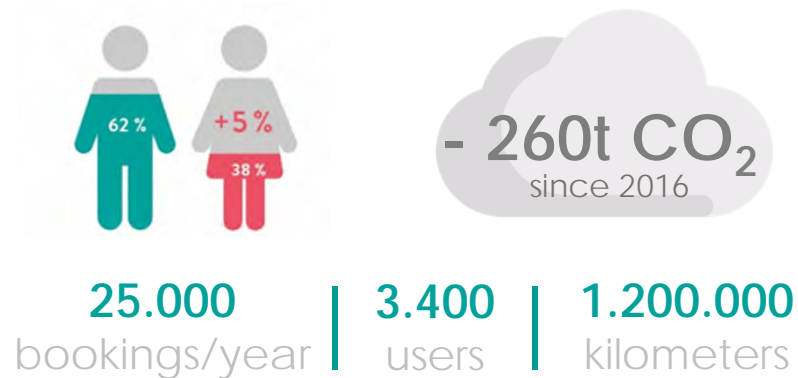
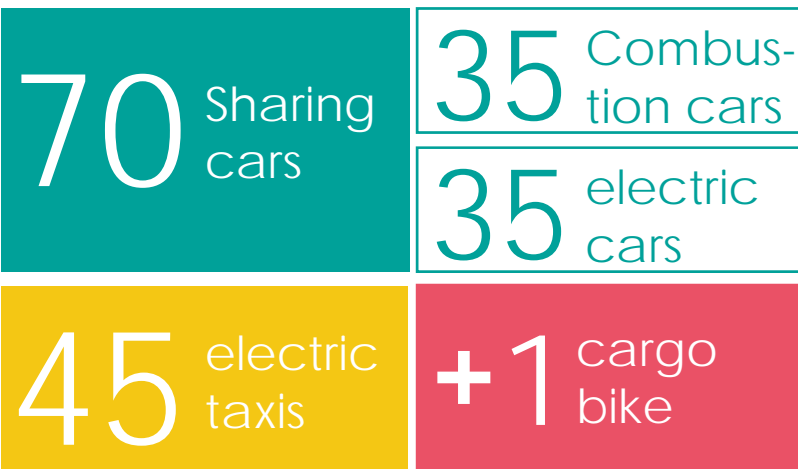
Enjoying mobility without **owning** a car

Electrification of communal vehicle fleets

CAR SHARING



 more Info
Day 2 5.4 (Mayer)



ELECTRIFICATION OF

TAXI FLEETS



Electrification of taxi fleets

EXPERIENCES

KOMBIMO II
PROJECT



Charging stations with **22 kW** are not used



Accelerated charging with **50 kW** takes too long



Waiting times and empty runs for charging are not desired



Charging with a cable is inconvenient

LESSONS LEARNED

KOMBIMO II
PROJECT




Taxi drivers as advertising media for climate-friendly mobility

- demonstrate that e-cars work in everyday use
- connection with passengers
- demonstrate benefits of **"using instead of owning"**
- **one-stop-shop** | implementation and contact point

Lead project eTaxi Austria

Easelink

- ➔ Charging Infrastructure is key for 100% Electric Taxis
- ➔ **20** 100% of newly registered taxis and
25 rental cars in Austria are purely electric

Vienna & Graz | 
pilot project - rollout of autonomously charged
e-taxis & charging infrastructure



Easelink

aims to establish Matrix Charging® as the standard solution for automated charging systems.

-  Barrier Free & Robust
-  Low System Production Costs
-  High Efficiency & Power
-  Patent Protected
-  Standardization


Matrix Charging® System



 Easelink



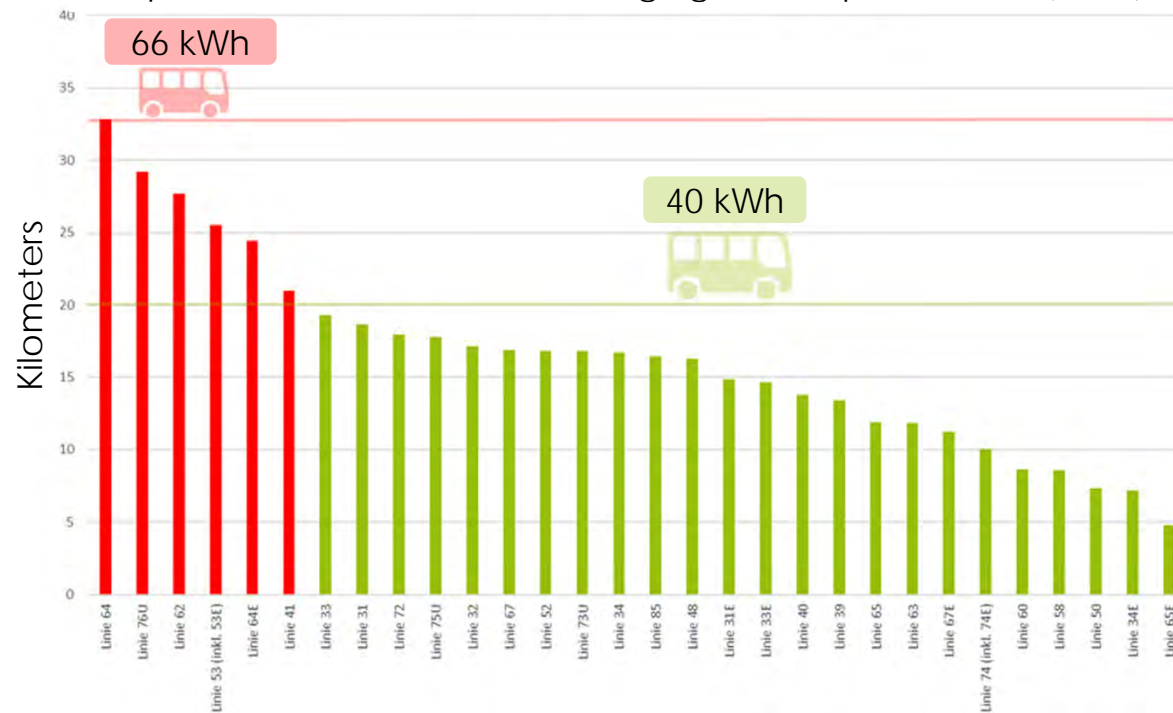
DECARBONISATION OF BUSES



Suitability of electric bus technologies

OPC with SuperCap

Required distance with one charging station per bus line (OPC)

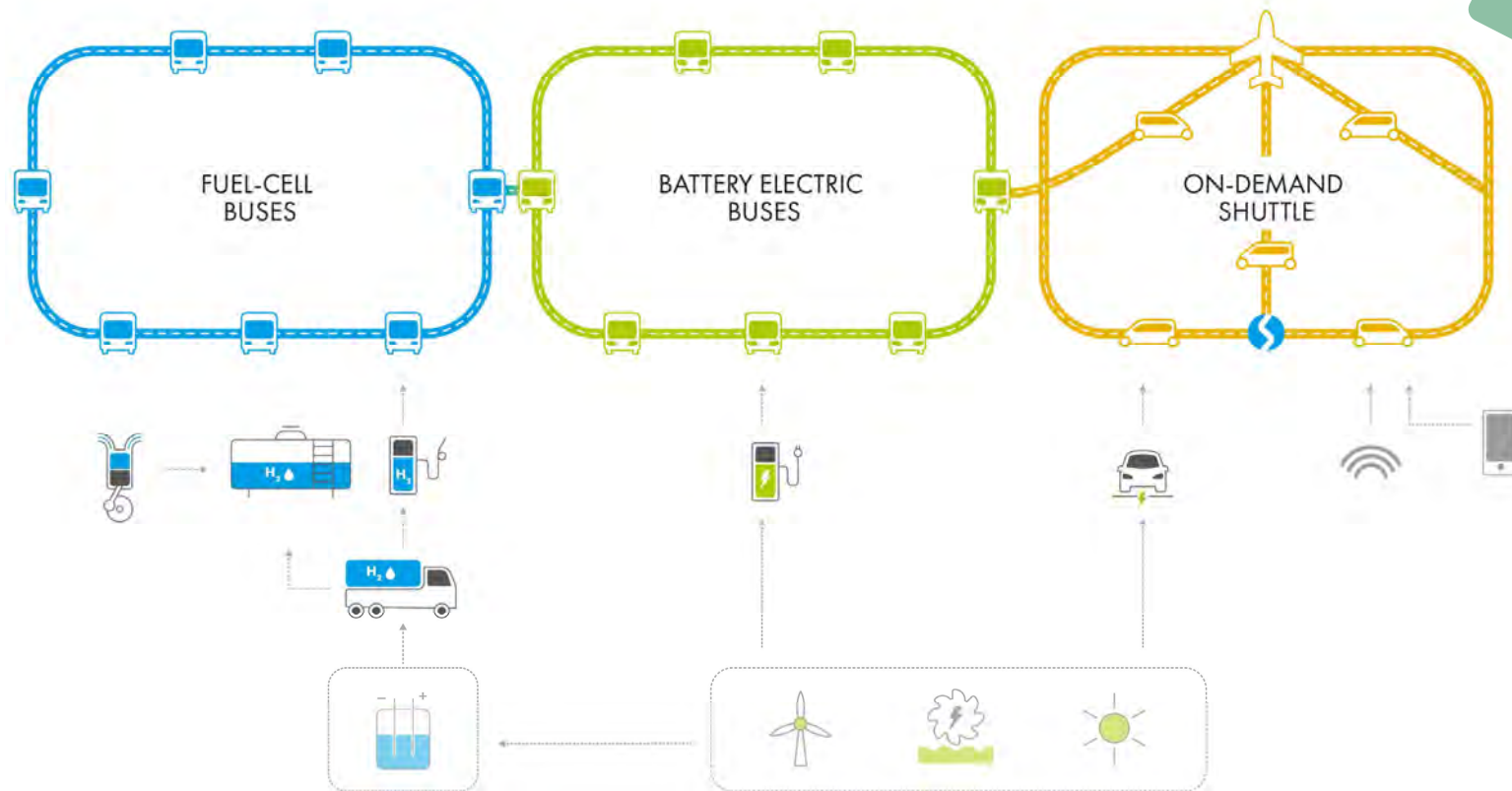


2 or more
charging stations

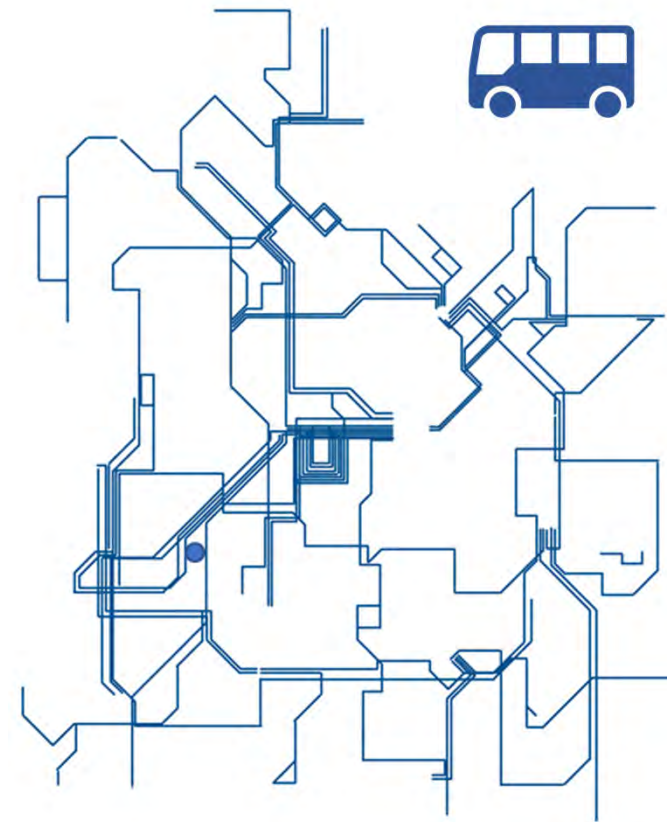
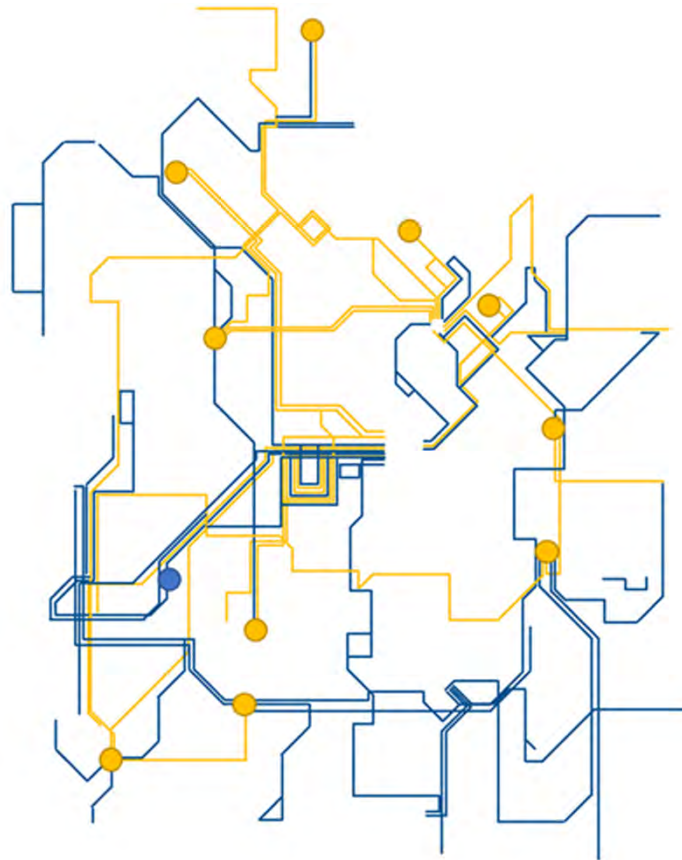
1 charging
station

Decarbonisation of busses

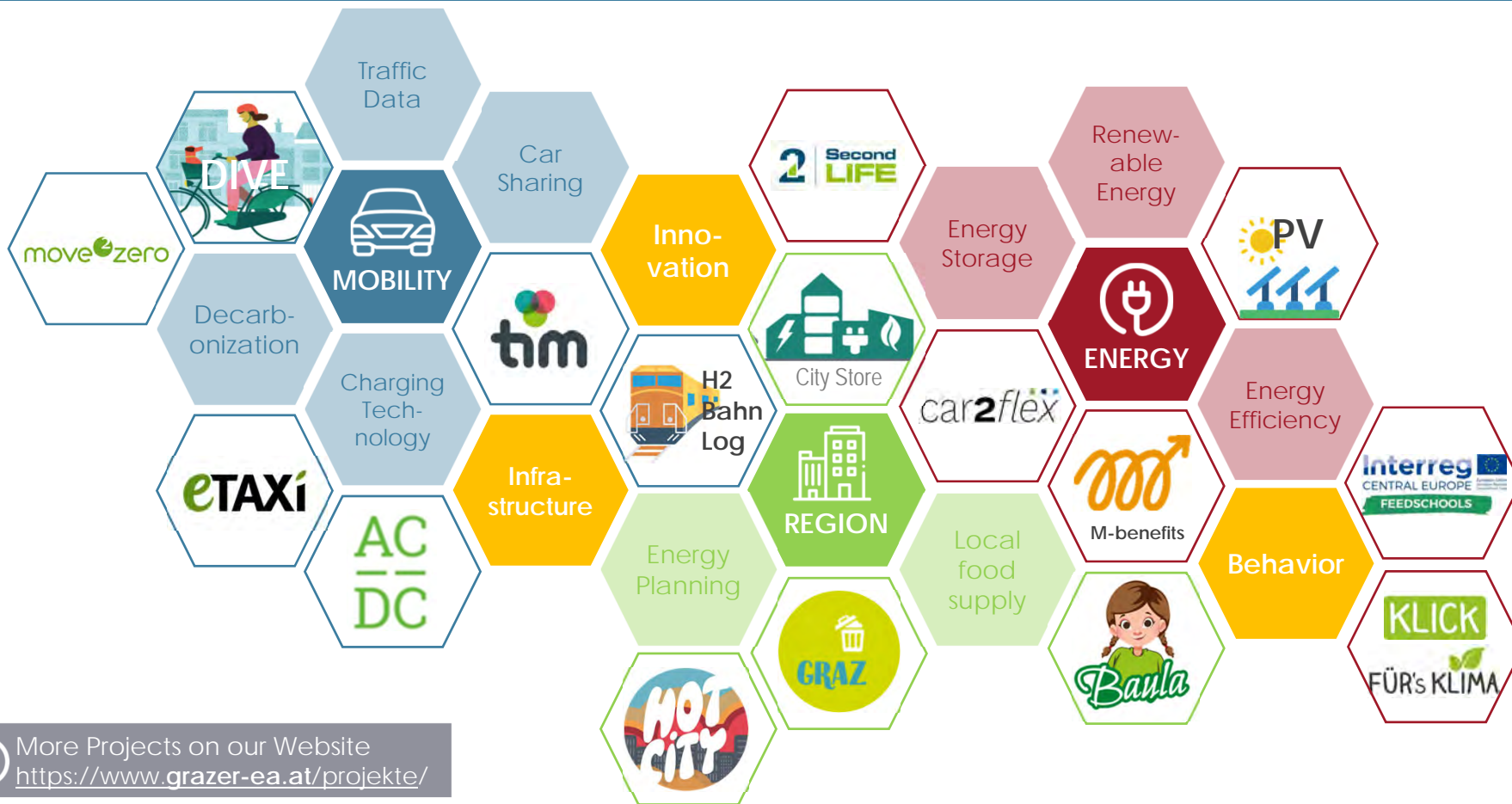
move2zero
project



Decarbonisation of busses



PROJECT OVERVIEW



More Projects on our Website
<https://www.grazer-ea.at/projekte/>



THANK YOU!



DI Robert Schmied
CEO

Kaiserfeldgasse 13/1, 8010 Graz
Tel.: ++43 316 811848-0
schmied@grazer-ea.at



Urban Future. Helsingborg | June 2022