

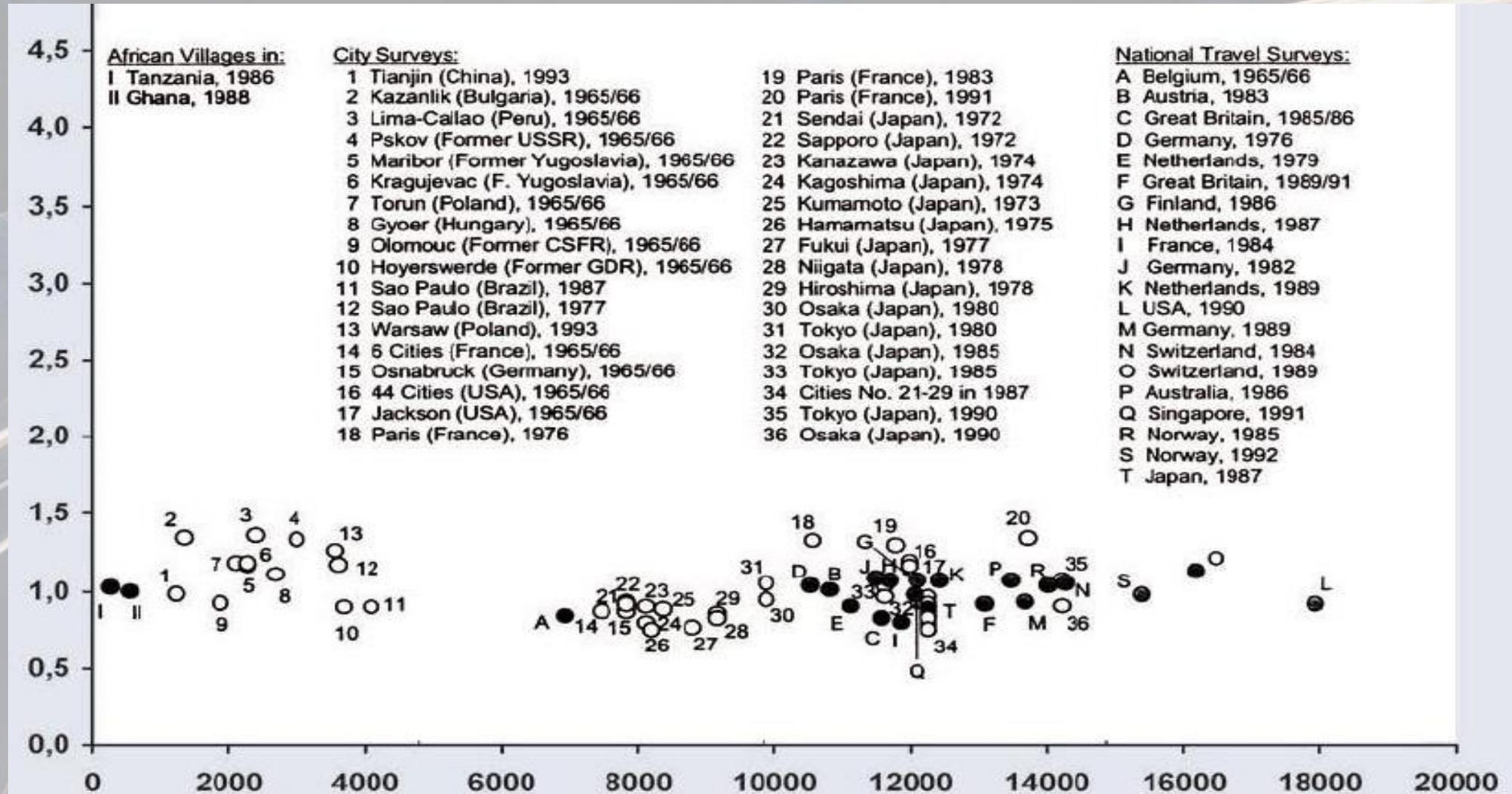
Trends in der Mobilität

Oliver Schmerold
ÖAMTC



Die "Marchetti Konstante"

Das magische 1h 06m Mobilitätsbedürfnis



Digitalisierung



Sharing



ΘΑΜΤΣ

Klimawandel



Neue Technologien

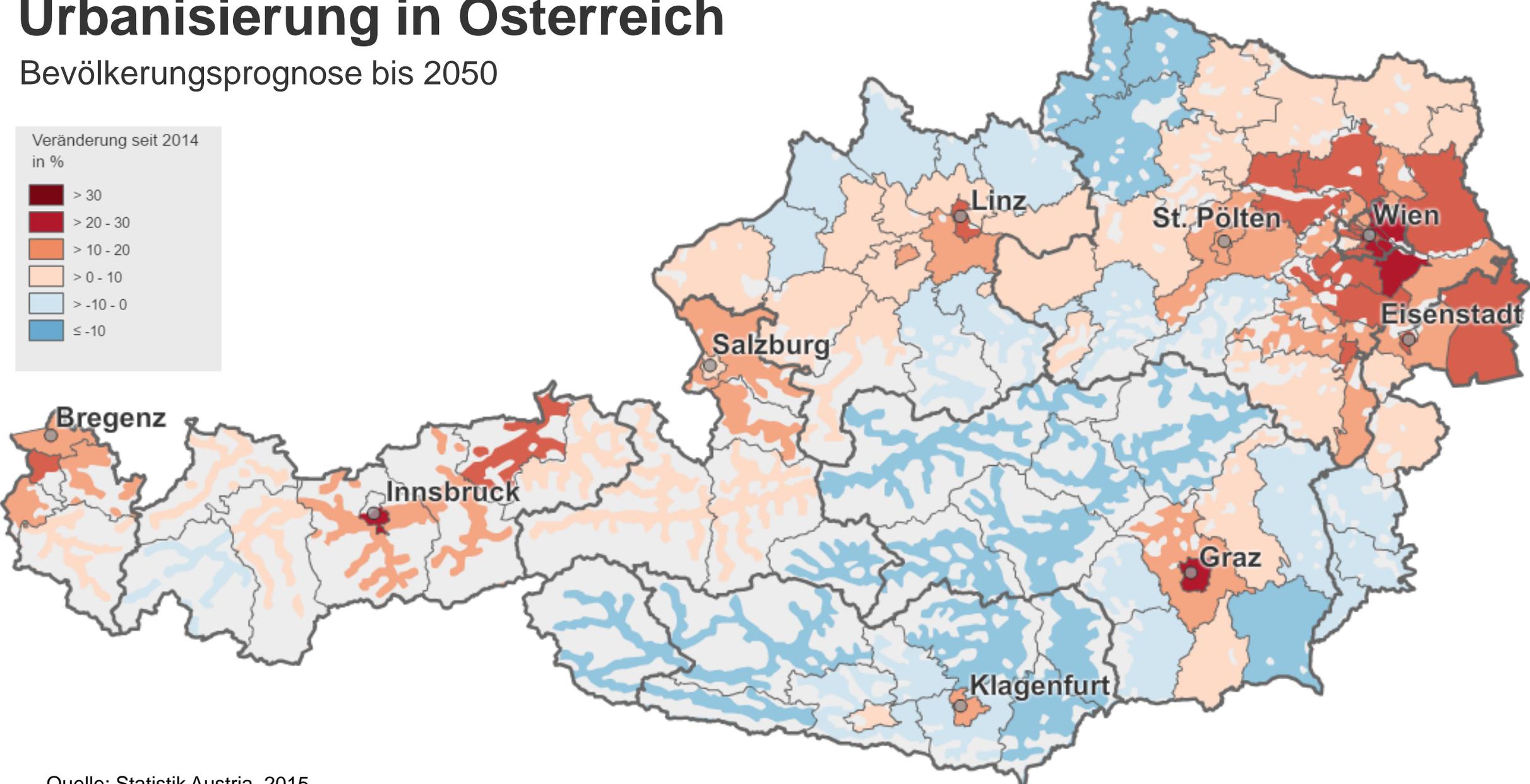
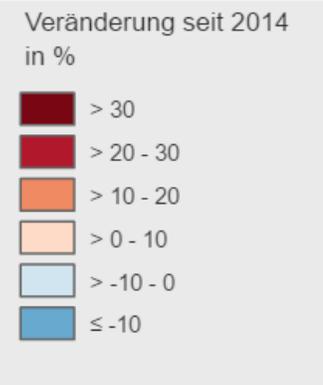


An aerial, high-angle photograph of a busy pedestrian crossing. The crossing is marked with wide, parallel yellow stripes on a grey asphalt surface. A large, diverse crowd of people is walking across the crossing in various directions. The people are dressed in casual to business-casual attire, and many are carrying bags or backpacks. The overall scene conveys a sense of high urban density and movement.

**Urbanisierung - bis 2050 lebt knapp
70% der Weltbevölkerung in Städten**

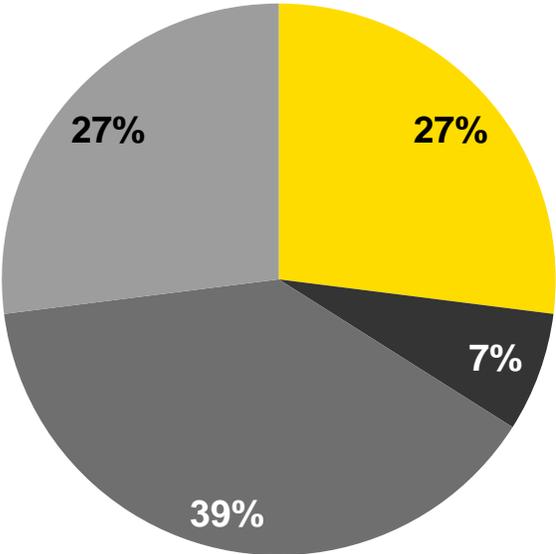
Urbanisierung in Österreich

Bevölkerungsprognose bis 2050

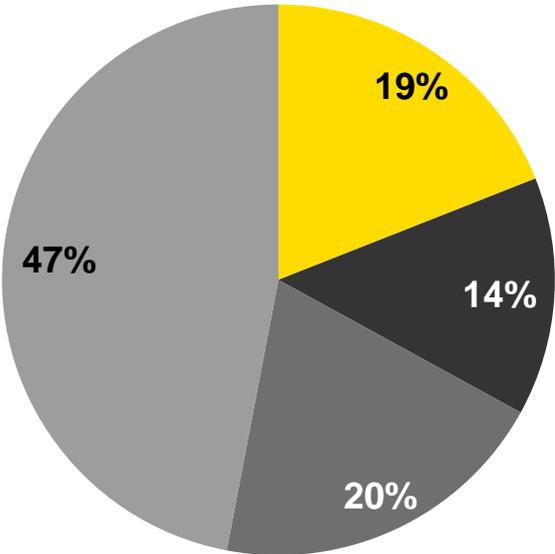


Quelle: Statistik Austria, 2015

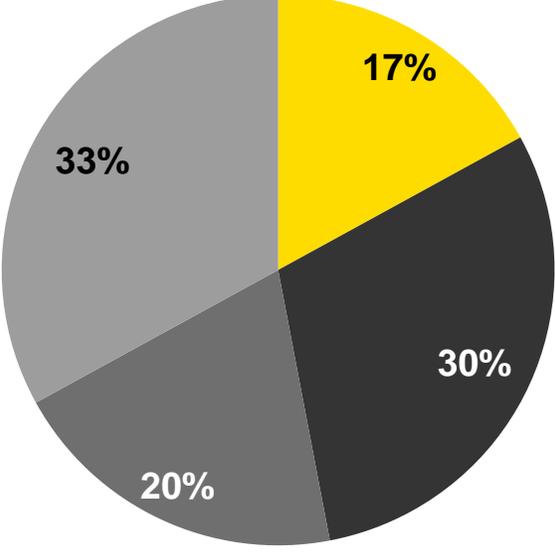
Modal Split im Vergleich



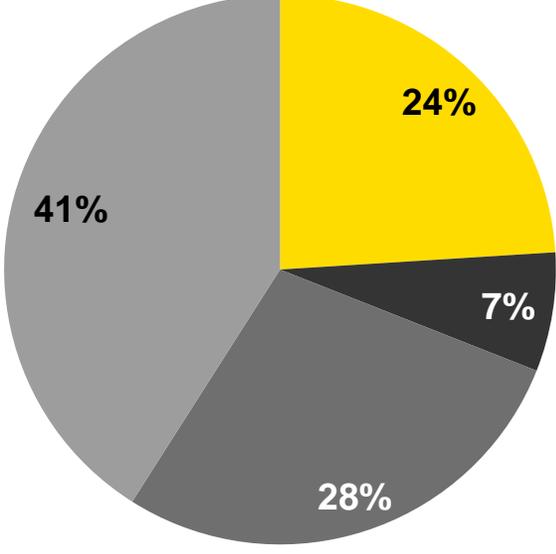
Wien



Graz



Kopenhagen



Göteborg

■ zu Fuß ■ Fahrrad ■ ÖPNV ■ KFZ

Zukunft





Seilbahnen

AMTC



Skytrain

ŞAMTC



Wasserbusse

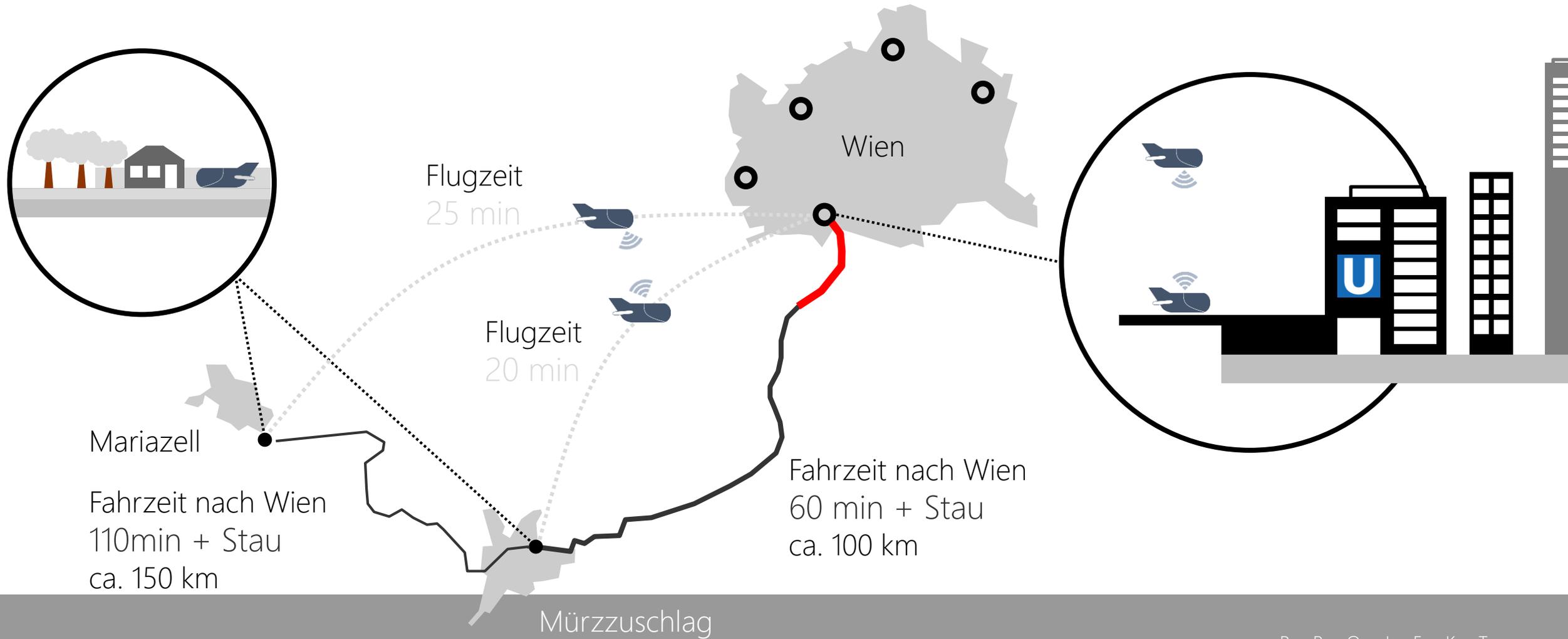
UAMTC



oder Drohnen?

Autonomes Fliegen

Landestellen an den Extremitäten der Städte





Brücken-Busse

Fahrrad



AMTC



Bike-Sharing

Konzept aus Kopenhagen



UAMTC



AMTC



E-Scooter Sharing

oamtc



Multimodalität! Aber wie?

Entweder oder?



Mobility-as-a-Service



Automatisierung und fahrerlose Auto



Alltag in Asien







Autonomous Trap 001, 2017 James Bridle **DAMTC**



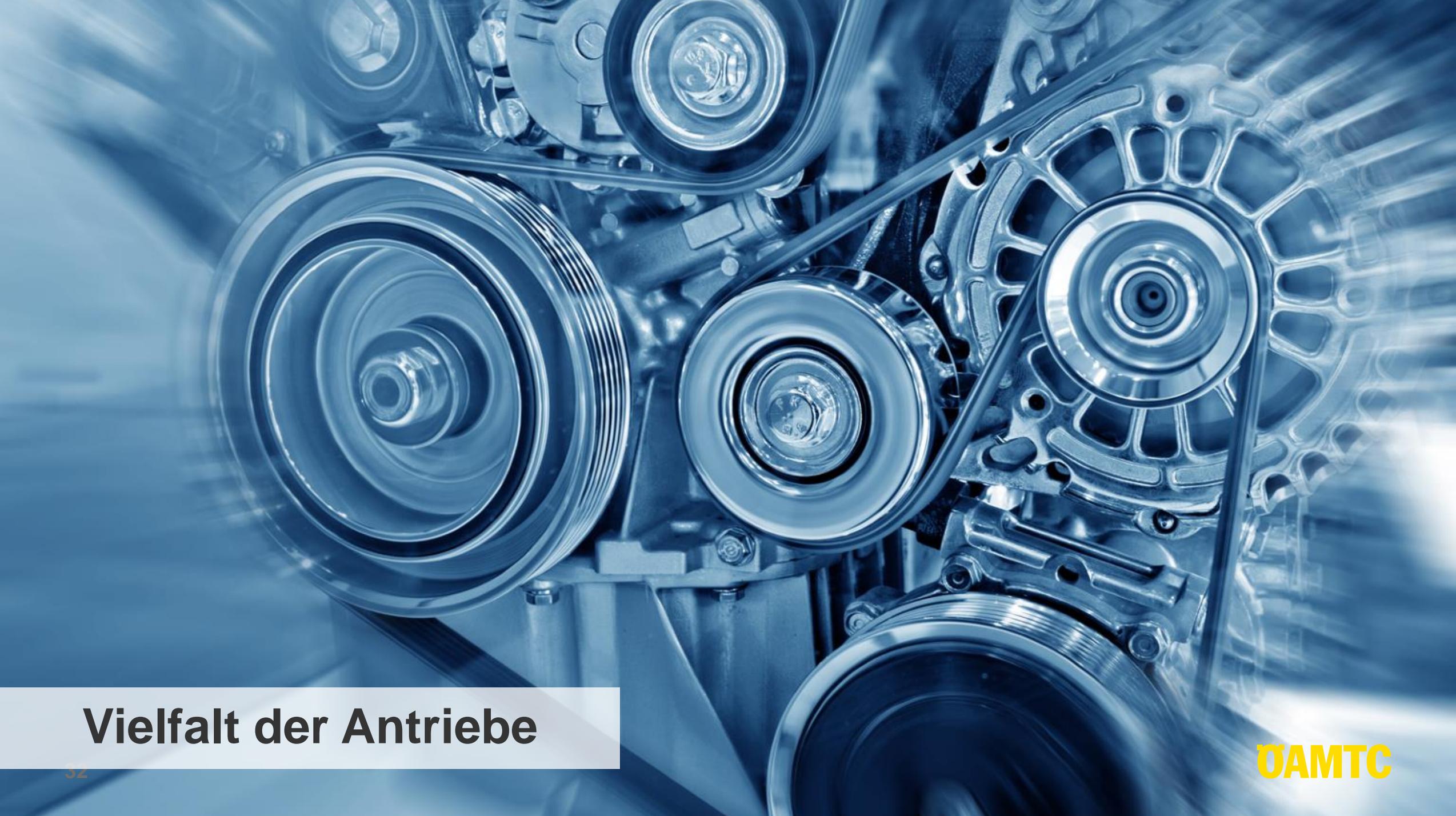
Assistenzsysteme retten Leben!

ISO:0051



Fahrerlos kostet Leben!





Vielfalt der Antriebe



48V Technologie und Hybride



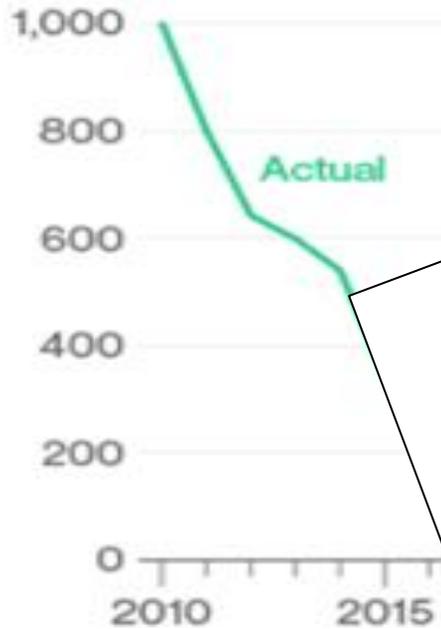
CNG und BioGas

Elektrofahrzeug



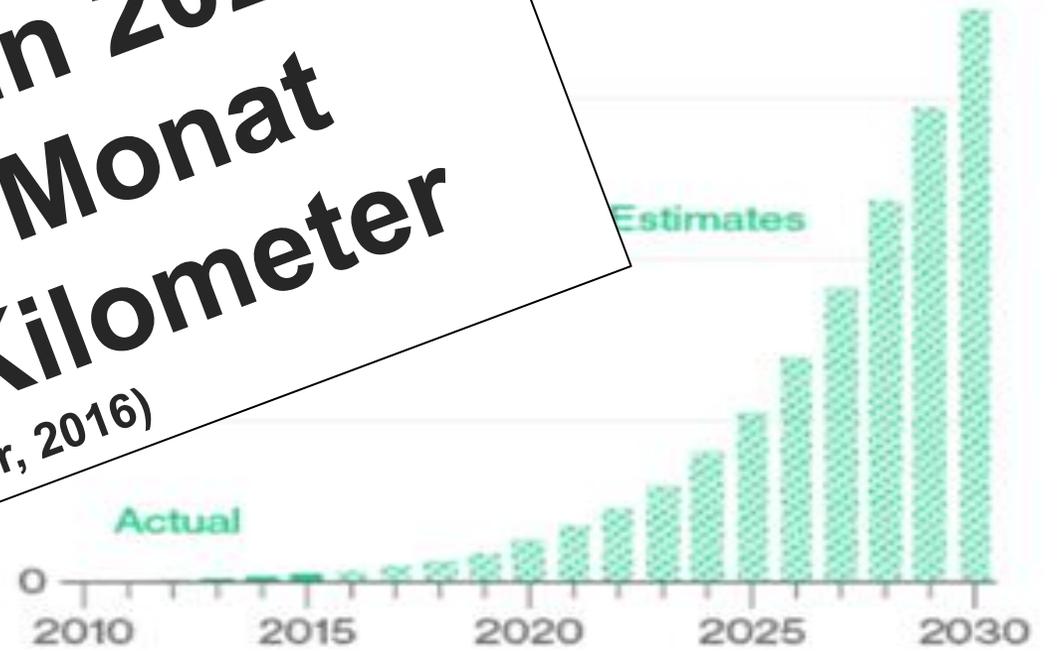
Cost for lithium-ion battery packs

\$1,200 per kilowatt hour



Yearly demand for battery power

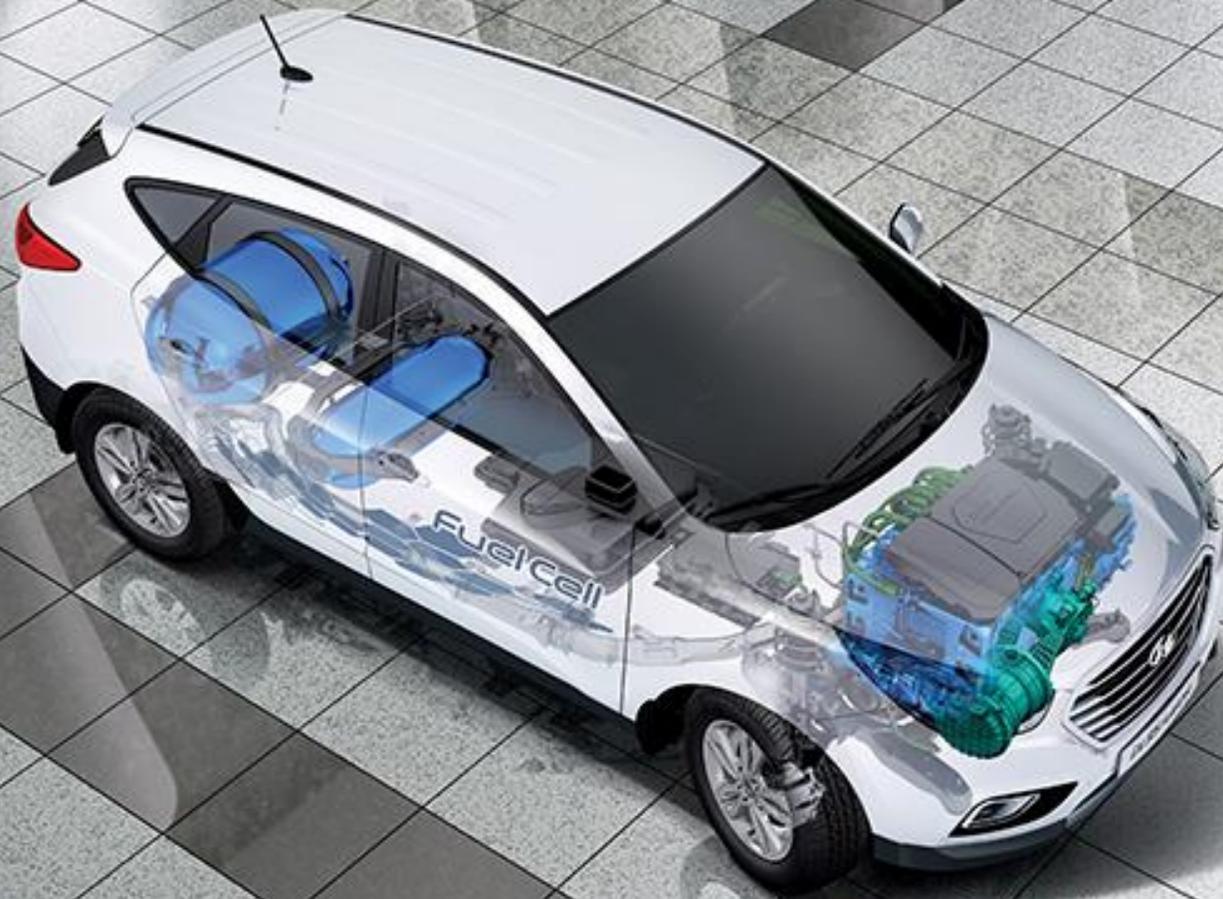
800 GWh



E-Auto Lease in 2020
< 100 Euro / Monat
< 10 cents / Kilometer
(Roland Berger, 2016)

Source: Data compiled by Bloomberg New Energy Finance





Brennstoffzelle

AMTC



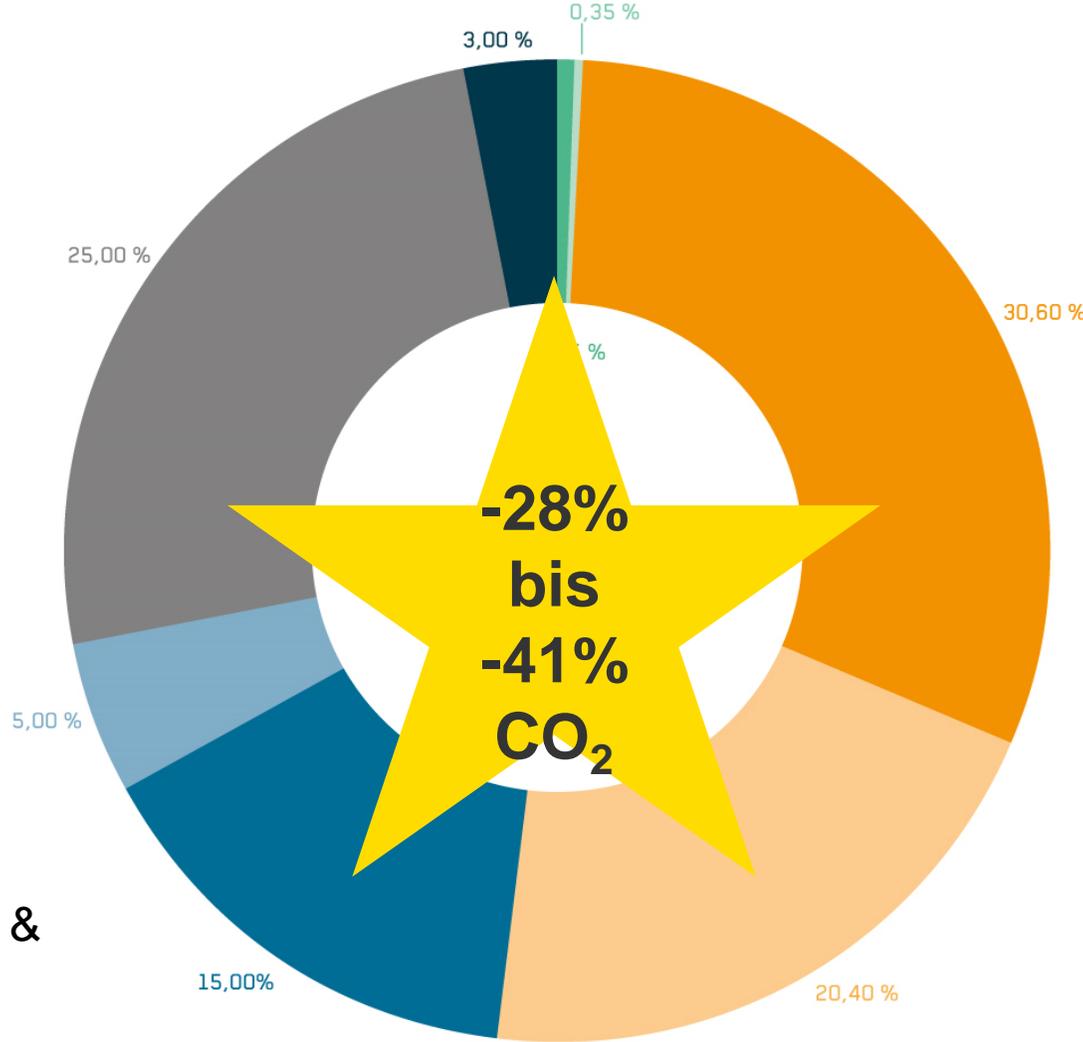
Expertenbericht „Mobilität & Klimaschutz 2030 „

Download unter:

www.oeamtc.at/mobilitaet2030

Mögliches Szenario 2030

- FCEV - Wasserstoff
- BEV - Strom
- PHEV - Diesel
- PHEV - Benzin
- HEV - Diesel
- HEV - Benzin
- VKM - Diesel
- VKM - Benzin



**-28%
bis
-41%
CO₂**

Anteil der Neuzulassungen
 Aus Expertenbericht Mobilität &
 Klimaschutz 2030, ÖAMTC

Trends in der Mobilität

www.oeamtc.at/mobilitaet2030

@OliverSchmerold

