

Swiss eMobility

Wir machen Elektromobilität möglich.
Nous activons la mobilité électrique.



Krispin Romang
Geschäftsführer/Directeur Swiss eMobility

krispin.romang@tcs.ch
+41 58 827 34 16



1.3 mia

99.9% ICE

0.1% BEV

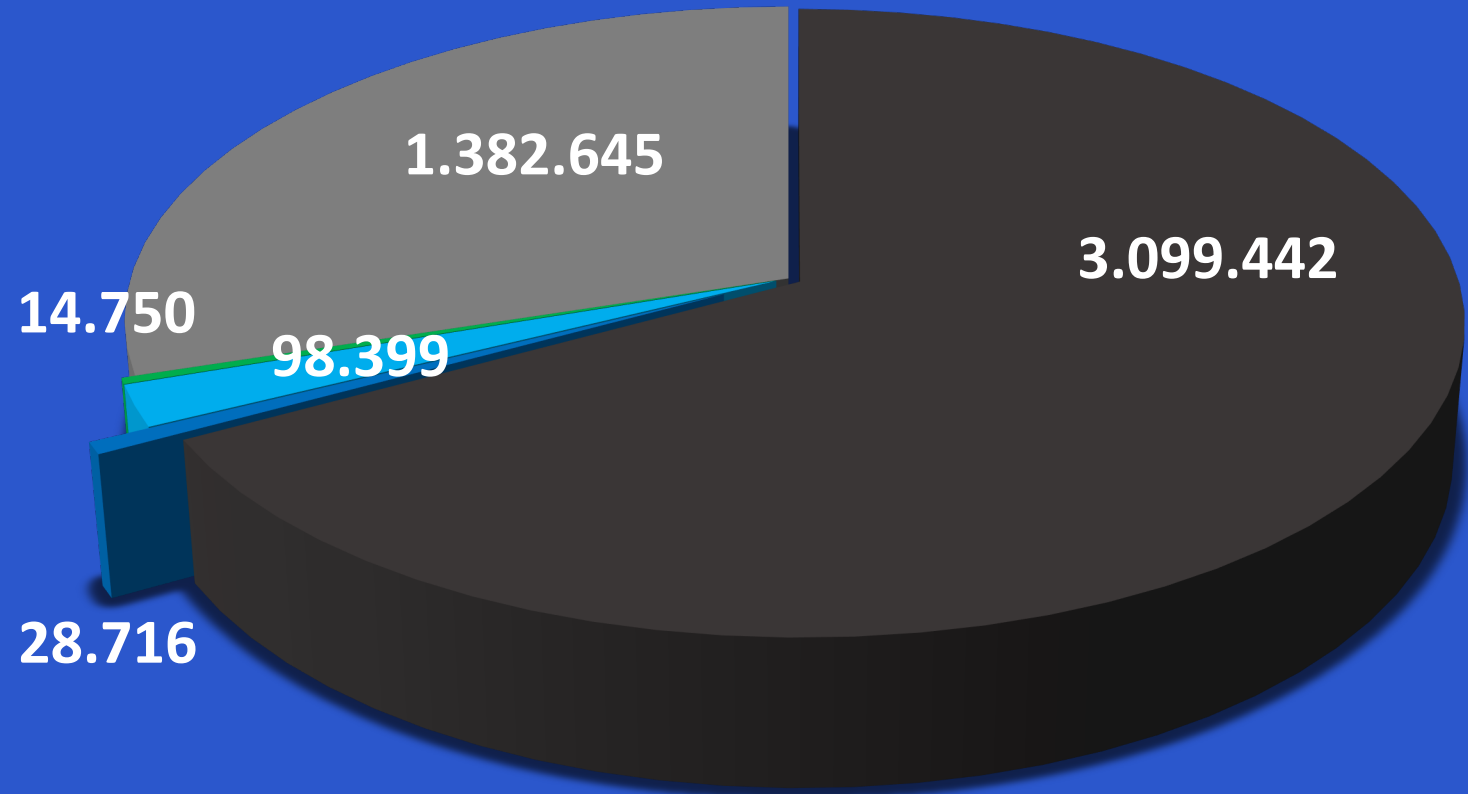




31/12/2019



4.6mio



■ Benzin/essence

■ elektrisch/électrique

■ hybride

■ andere/autre

■ Diesel



31/08/2020 (ytd)



01-30/07/2020

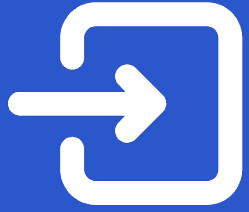
Neuimmatrikulationen/ nouvelles immatriculations



10,5%



18%



- neue Produkte kreieren neue Märkte
- nouveaux produits créent de nouveaux marchés



disruption?



- schwächt, verändert oder zerstört bestehende Märkte
- affaiblit, modifie ou détruit les marchés existants

Sport-Renn-Reise-Transport-Limousine sedan de sport-course-voyage-transport



Vorstellung
imagination

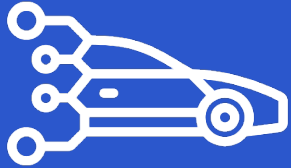


Realität
réalité



der Druck steigt... la pression monte...

megatrends



neue Technologien/ nouvelles technologies

- Motor, Energiespeicher
- moteur, stockage d'énergie

Strasseninfrastruktur/
infrastructure routière



- Ausbau und Finanzierung
- expansion et financement



neue Mobilitätssysteme
nouveaux systèmes de
mobilité

Energiestrategien/ stratégies
énergétiques



- Effizienz & Ressourcen
- efficacité & ressources



Wettbewerbsfähigkeit/
compétitivité

Regulierung/ réglementation



- Ziele & Verbote
- objectifs & interdictions

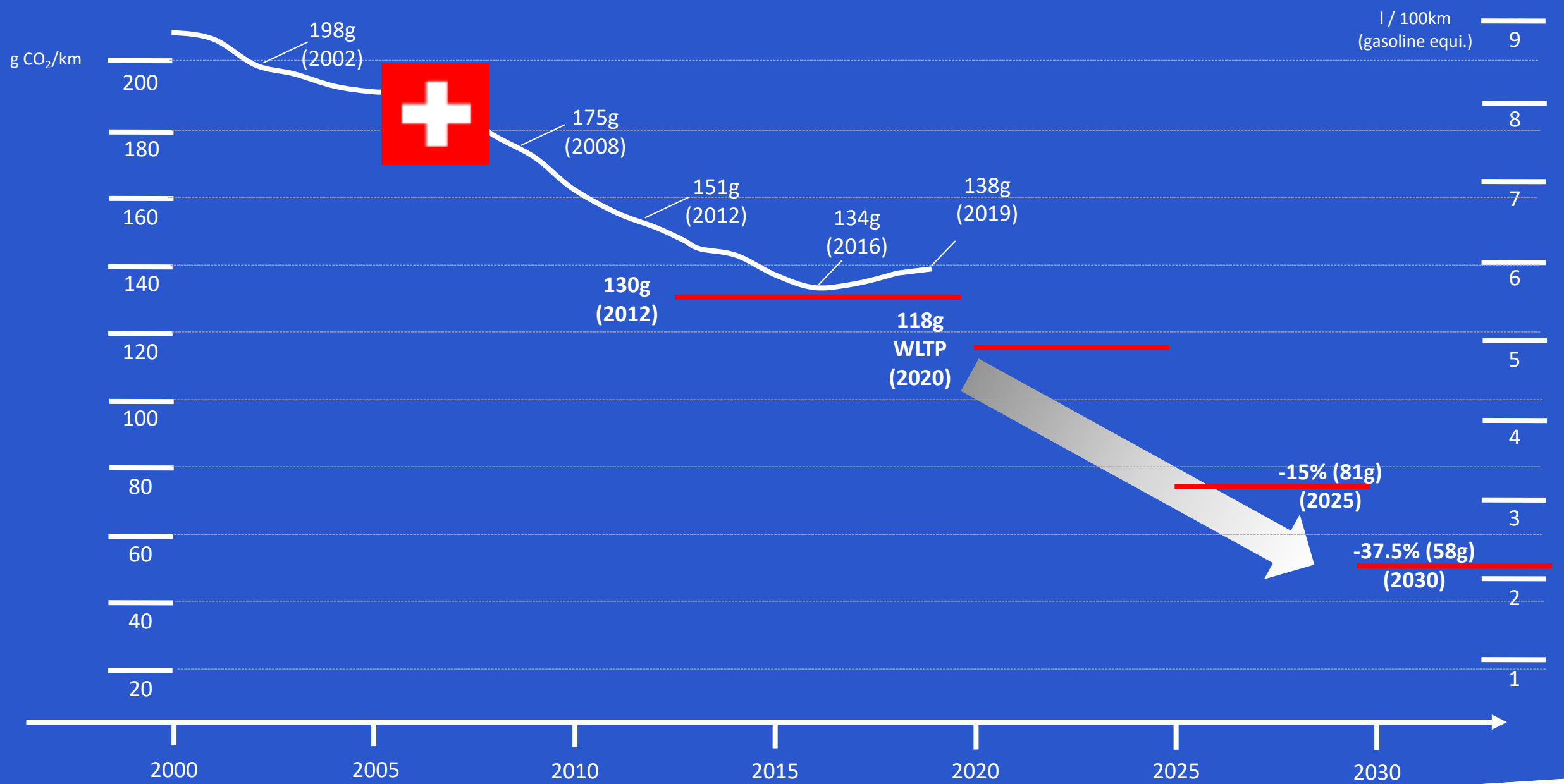


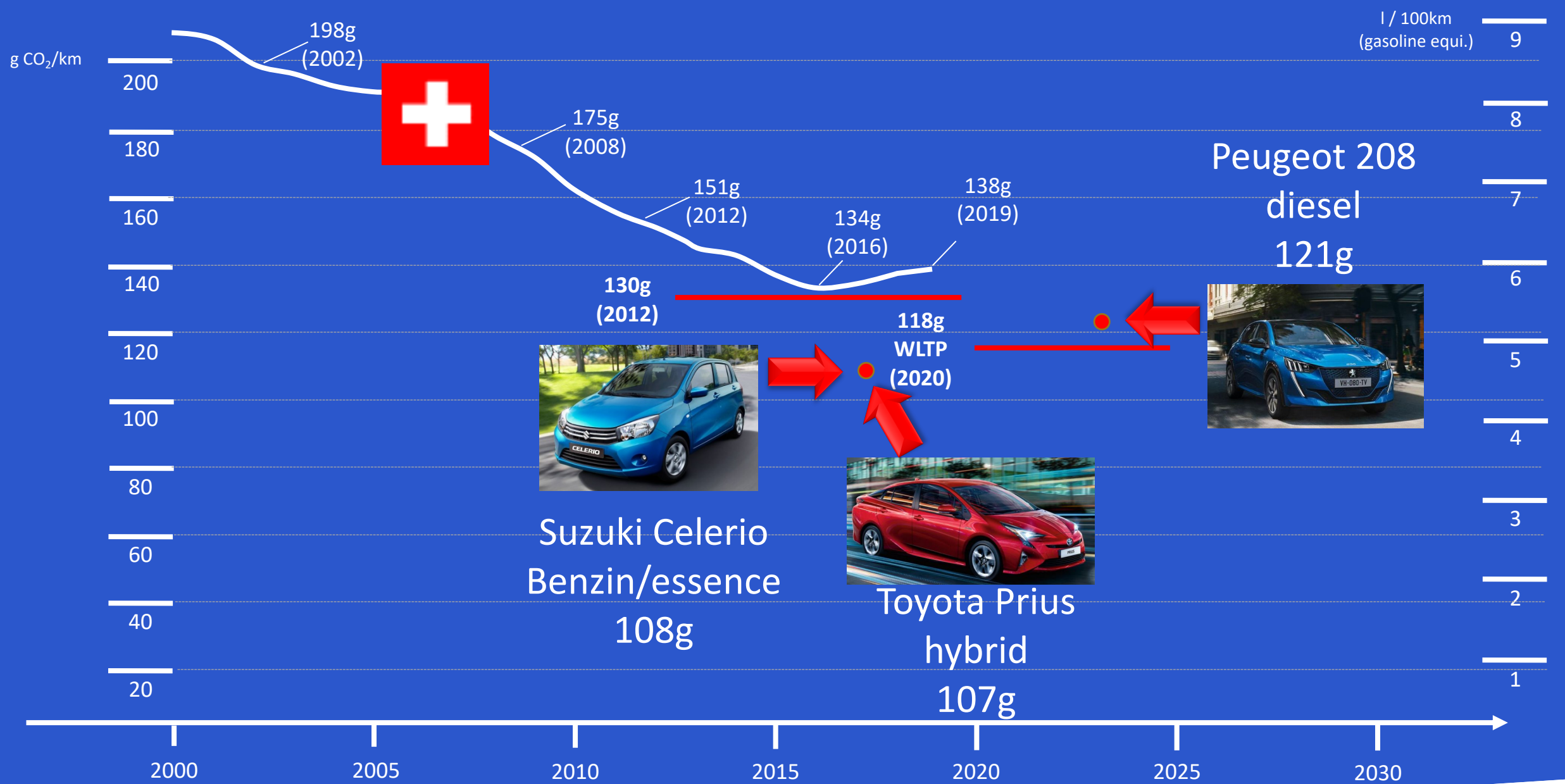
Paris 2015

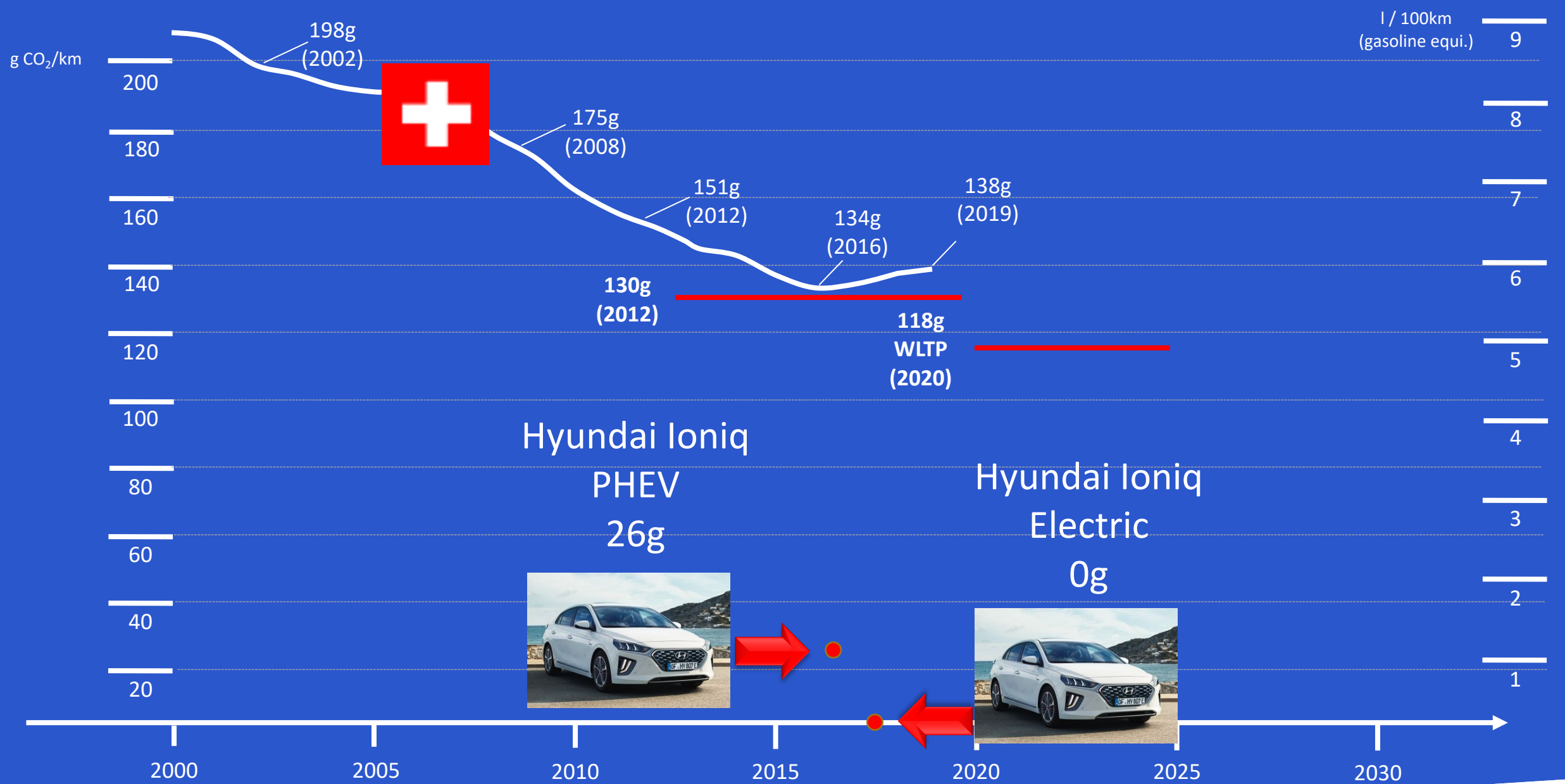
Invest 

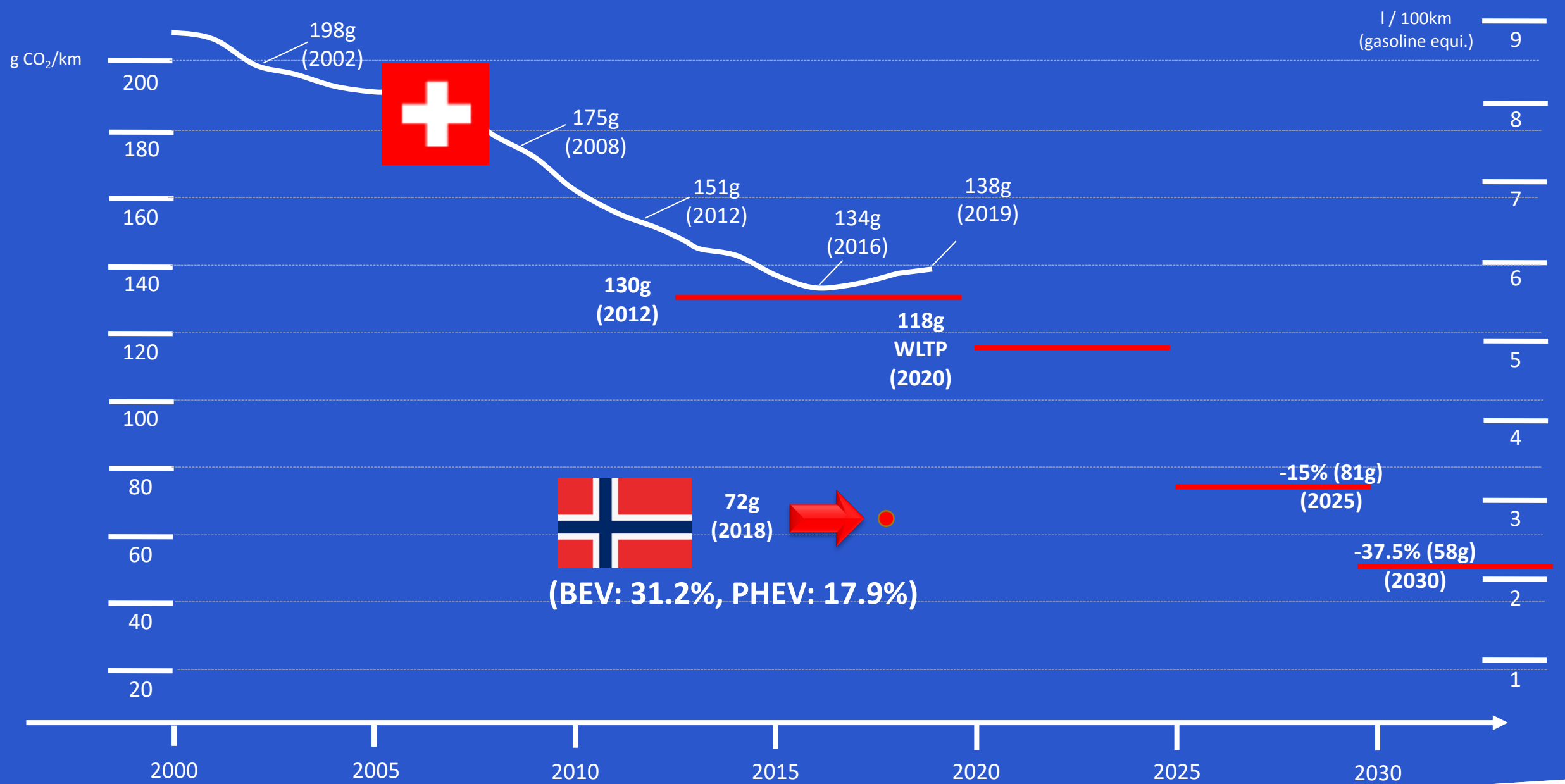
300mia \$

Reuters

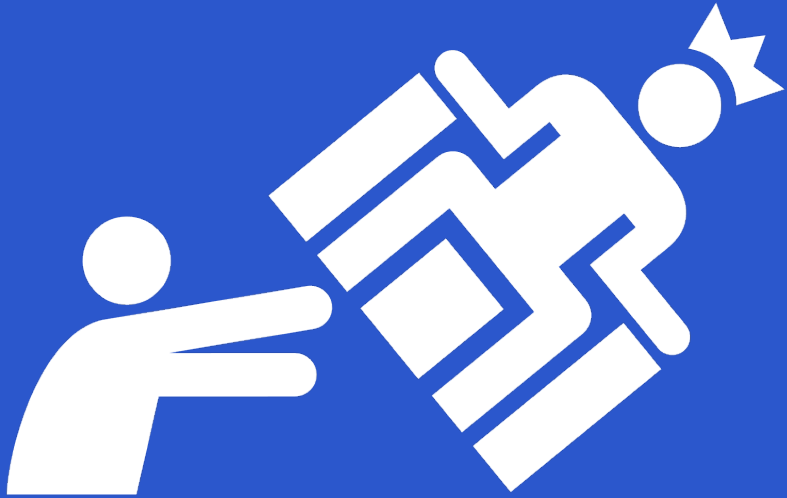


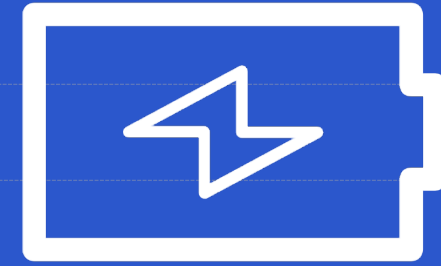






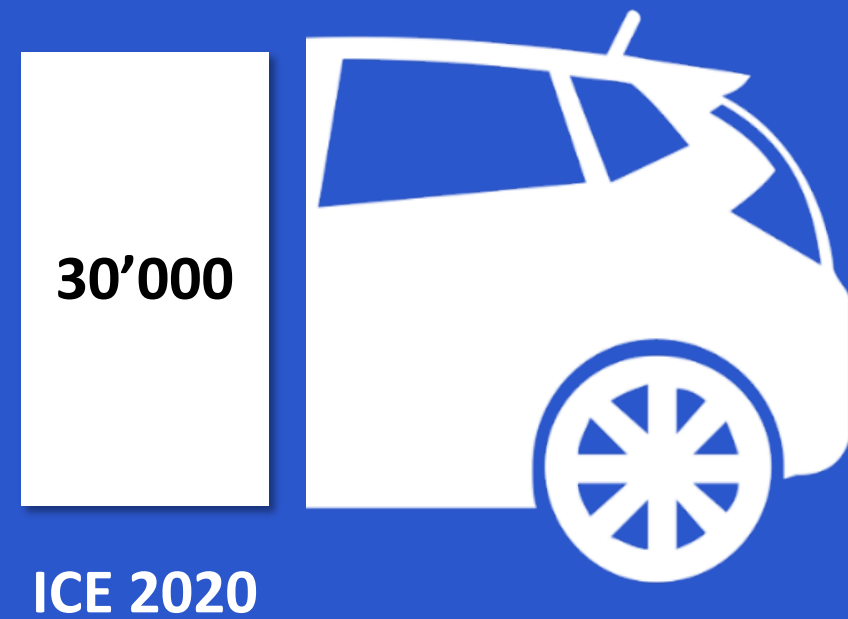
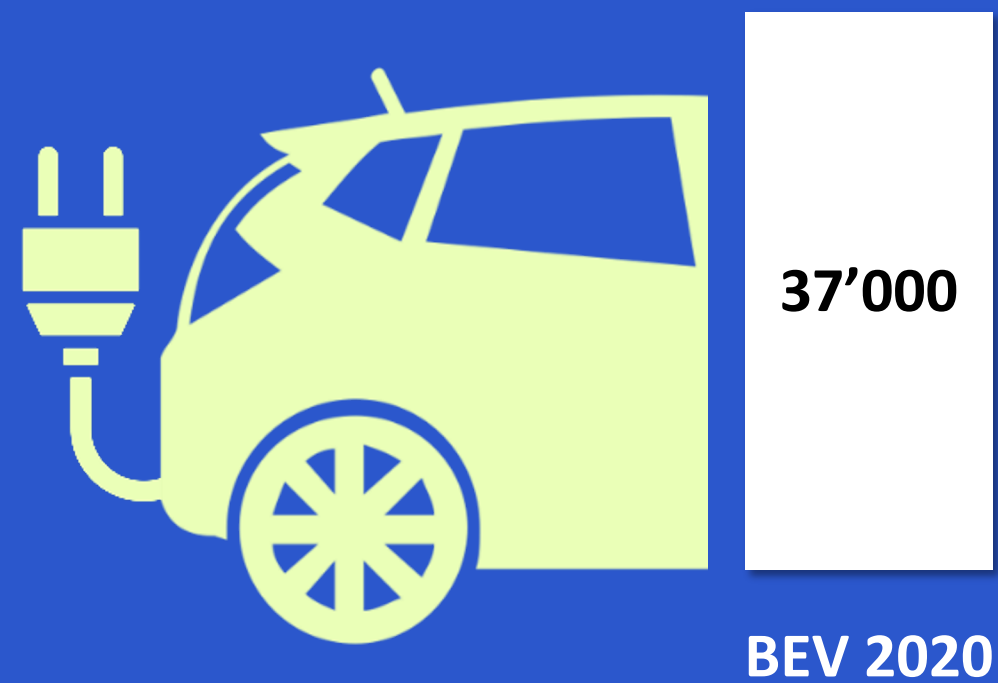
disruption?



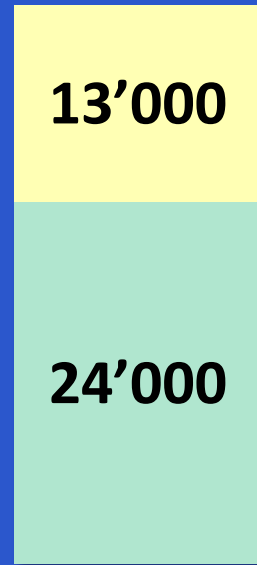
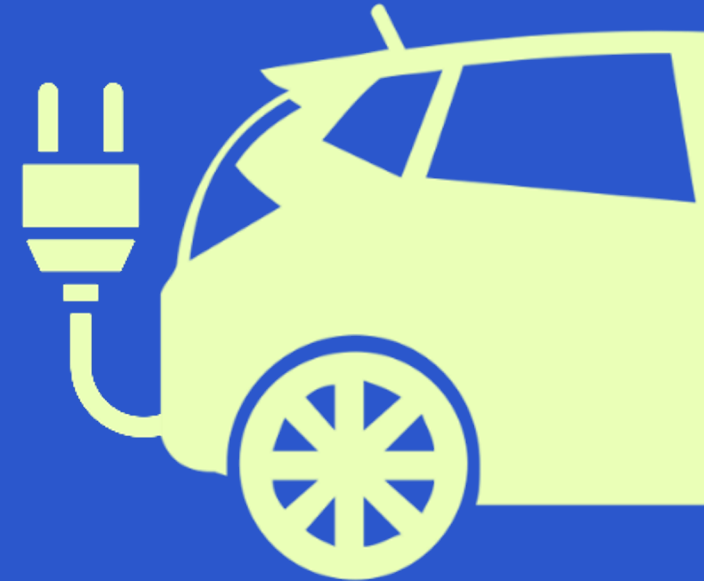


Li-Ion battery pack





18 moving parts

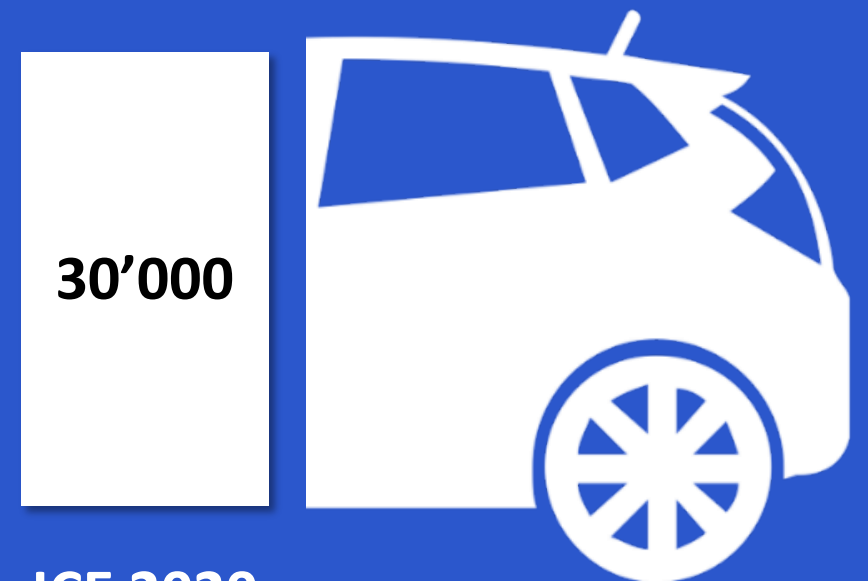


BEV 2020

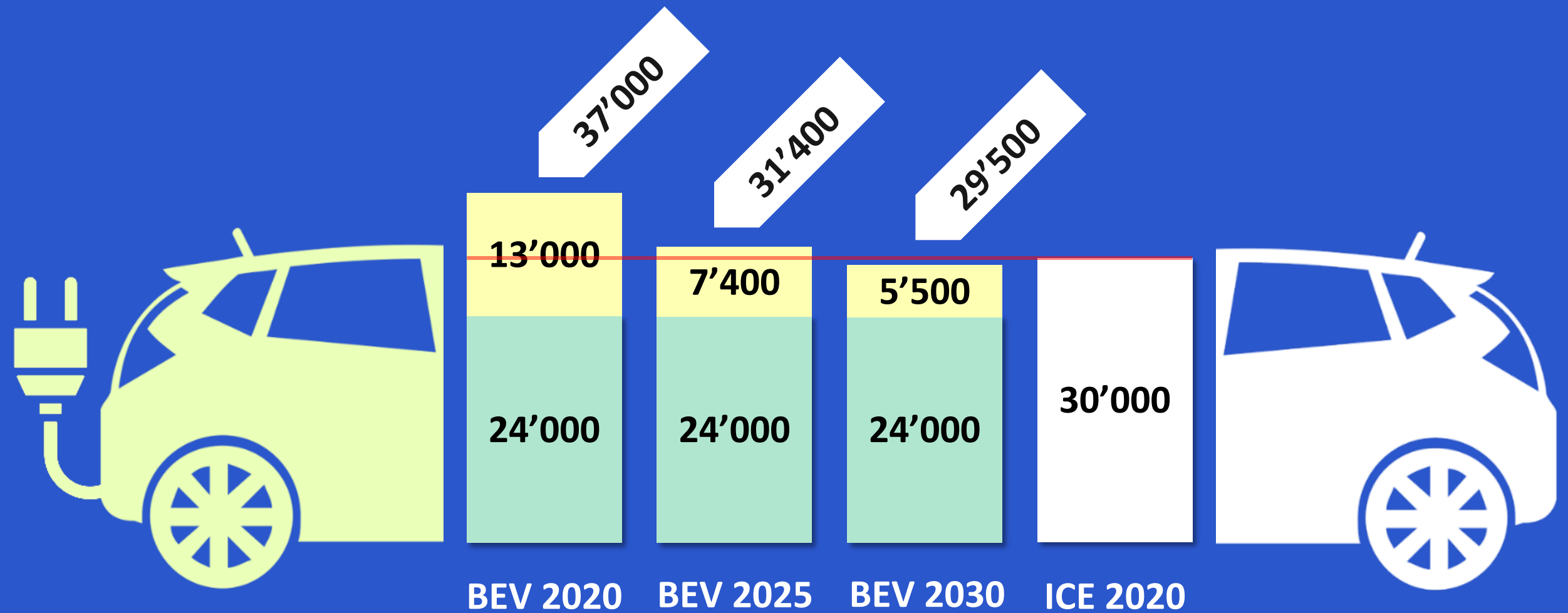
37'000

battery

+/- 2000 moving parts



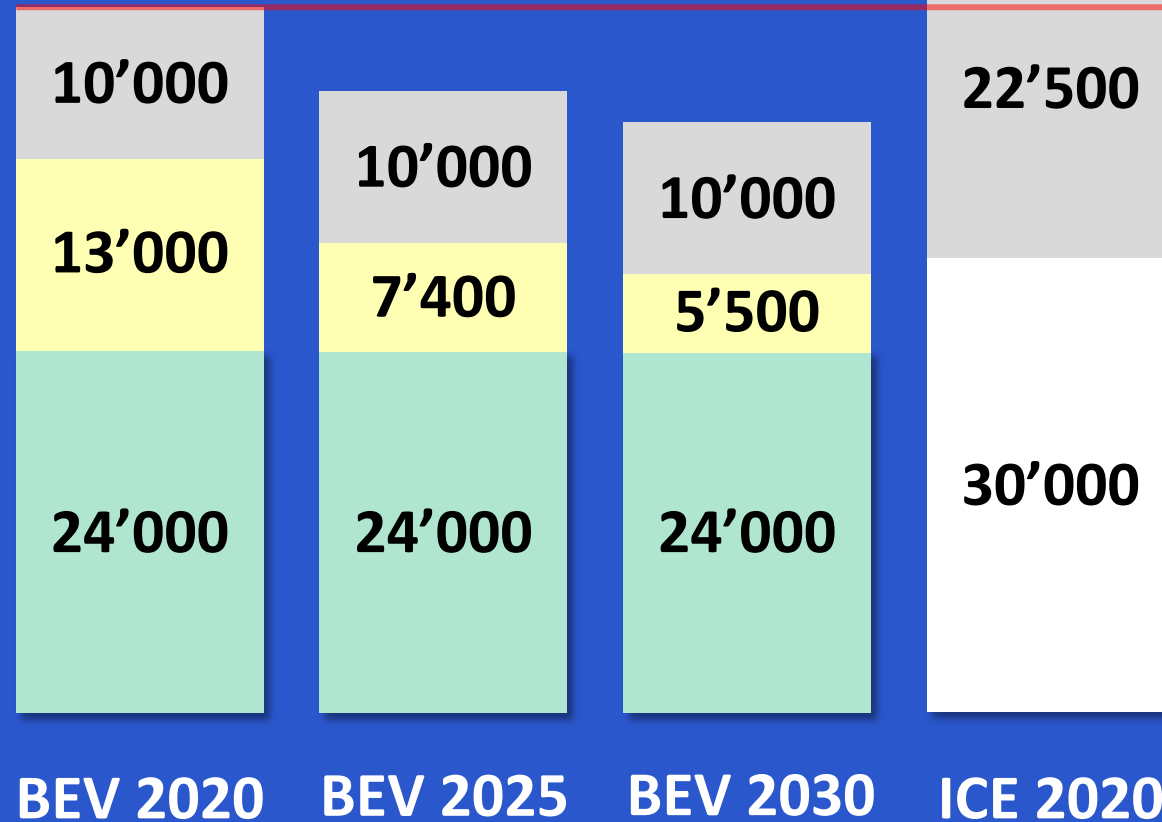
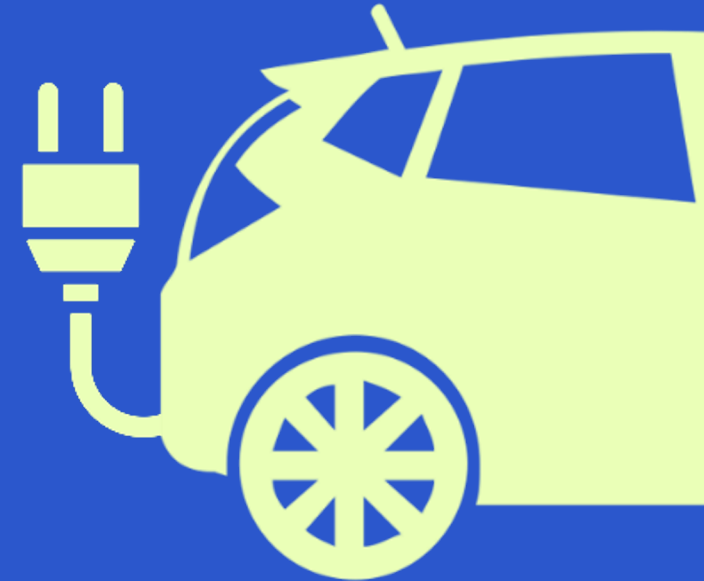
ICE 2020



TCO 10y (without resale)

operating cost/y:
service: 500 CHF
energy: 500 CHF

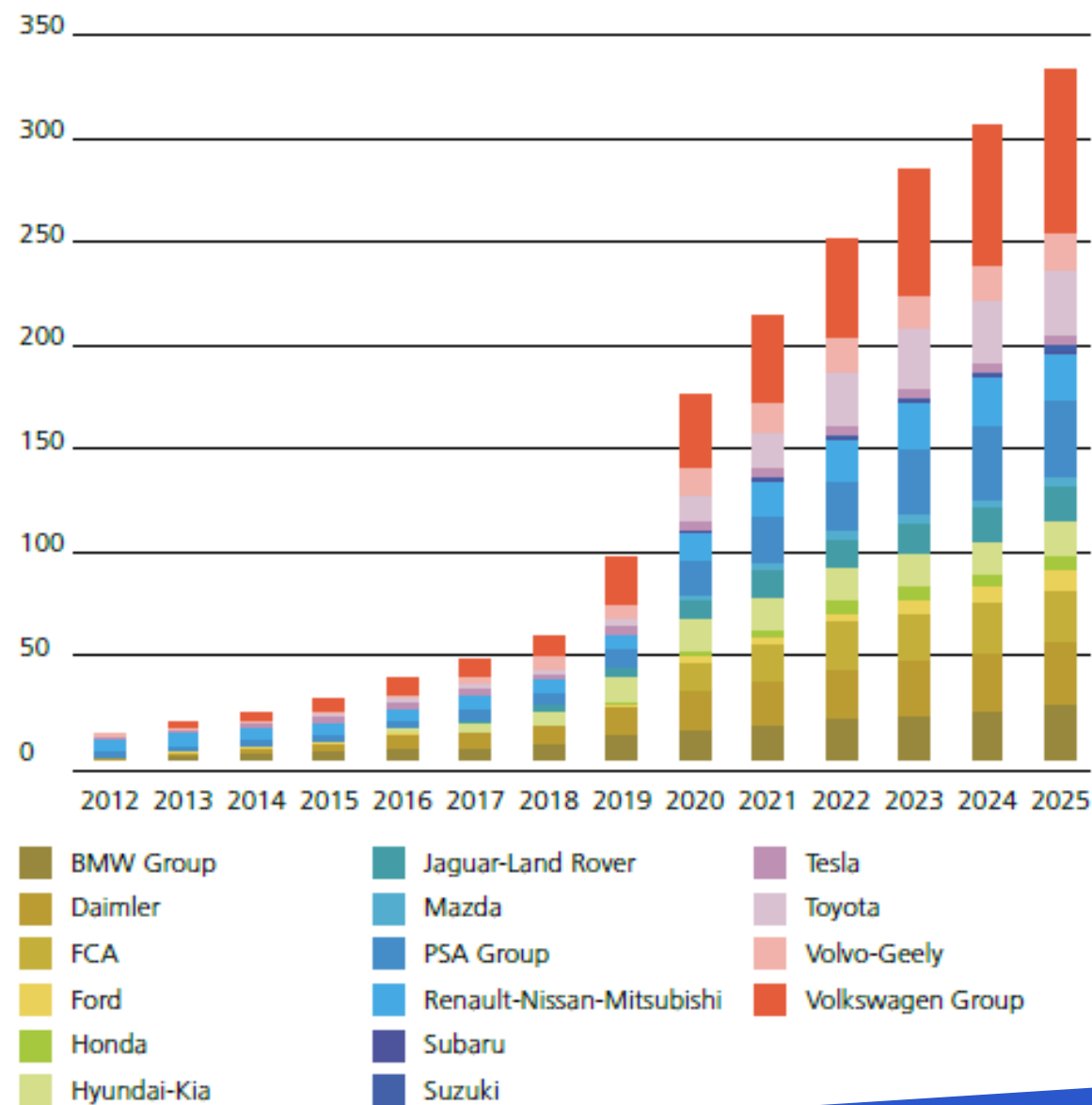
operating cost/y:
service: 750 CHF
energy: 1'500 CHF



Angebot offre

2012 = 11

2025 = 333





energy

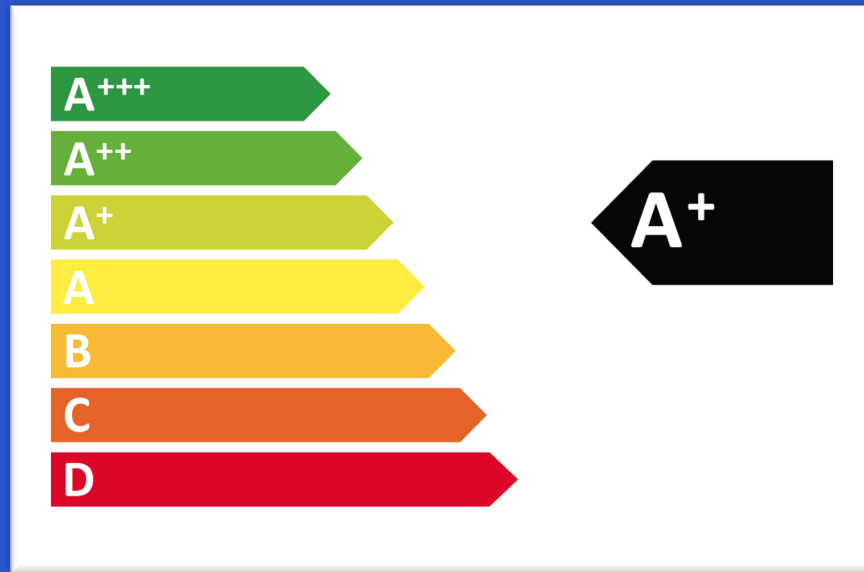
37.8%

MIV
TIM



32.4%

Gesamteffizienz efficacité totale



BEV 73%

FCEV 22%

ICE 13% (power-to-liquid)

Tanken/ faire le plein

≠

Laden/ recharger