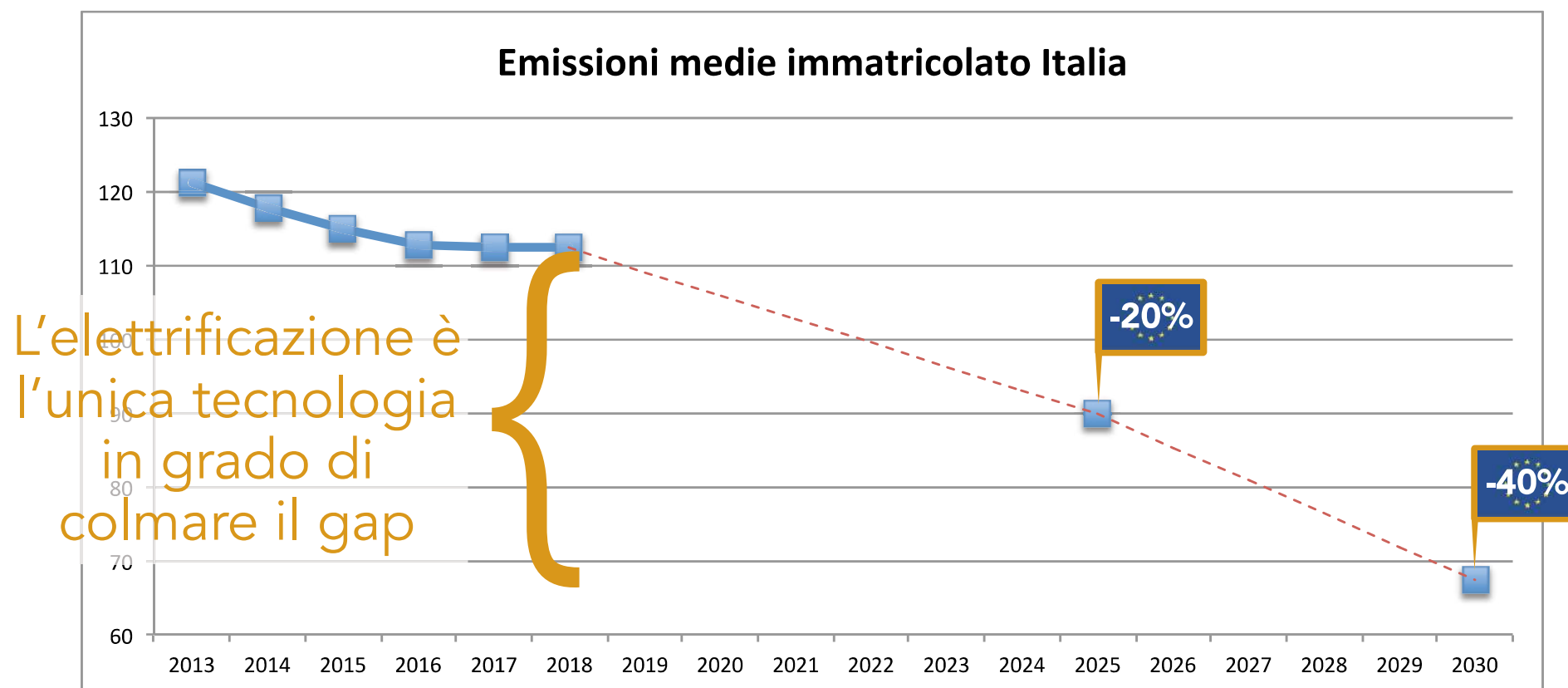




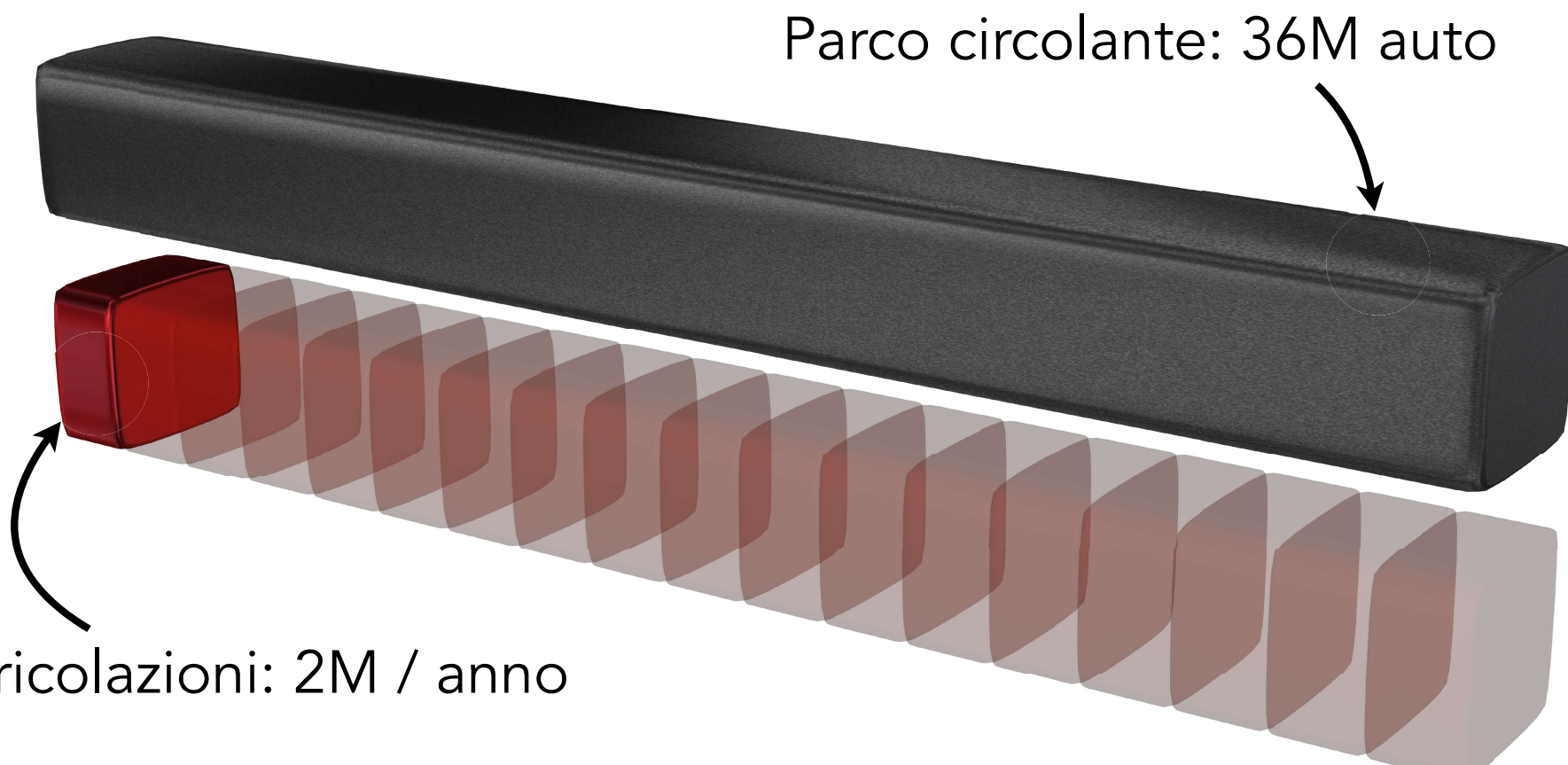
eMOBILITY: FACTS & FIGURES

TARGET EMISSIONI UE

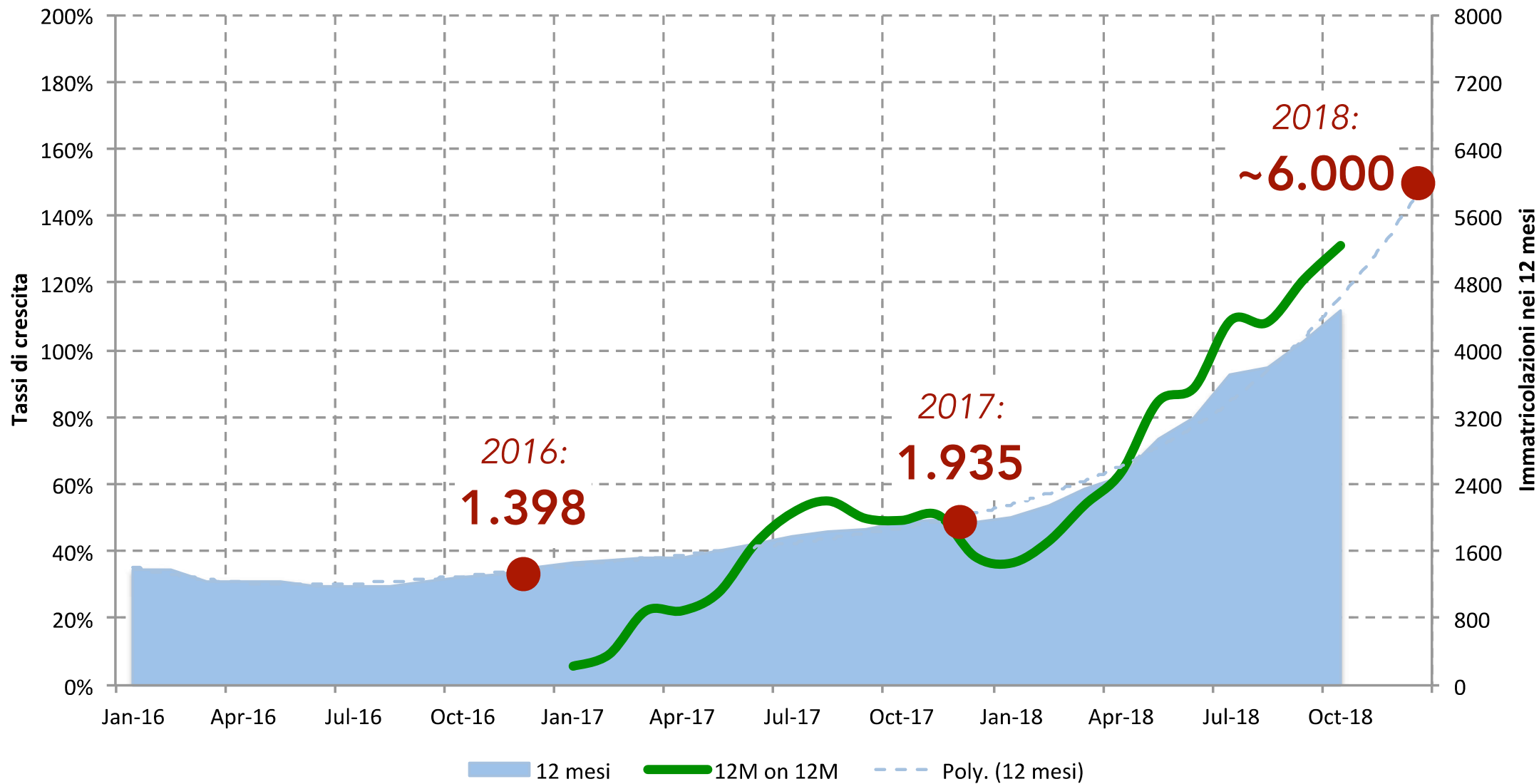
Delibera del 1 ottobre 2018: <https://it.reuters.com/article/foreignNews/idITL8N1WJ3RW>



SOSTITUZIONE DEL PARCO MINIMO **18** ANNI



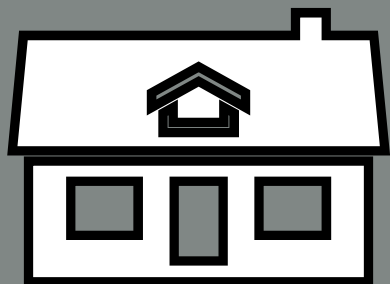
Immatricolazioni EV in Italia





80.000





Home

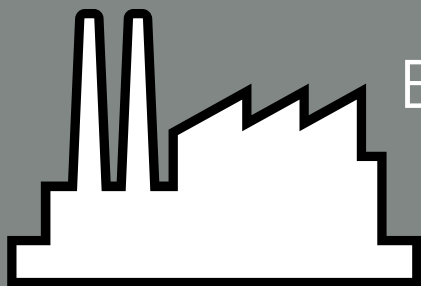
Notte

Lenta

Privata

Alternata

Basso Capex



Out-of-home

Giorno

Veloce

Pubblica

Continua

Alto Capex

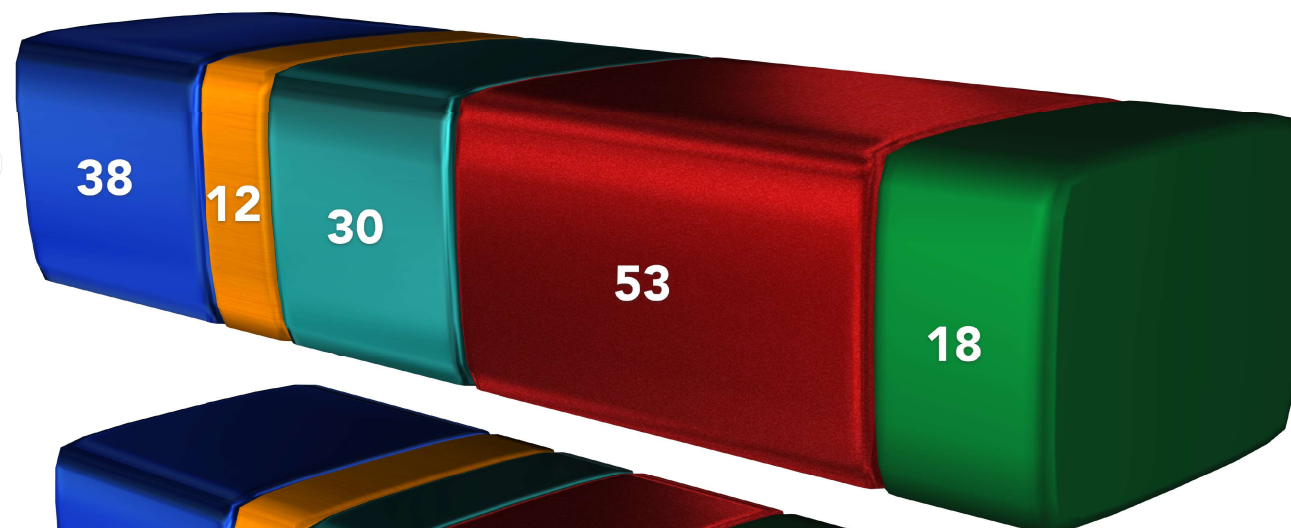


125.570

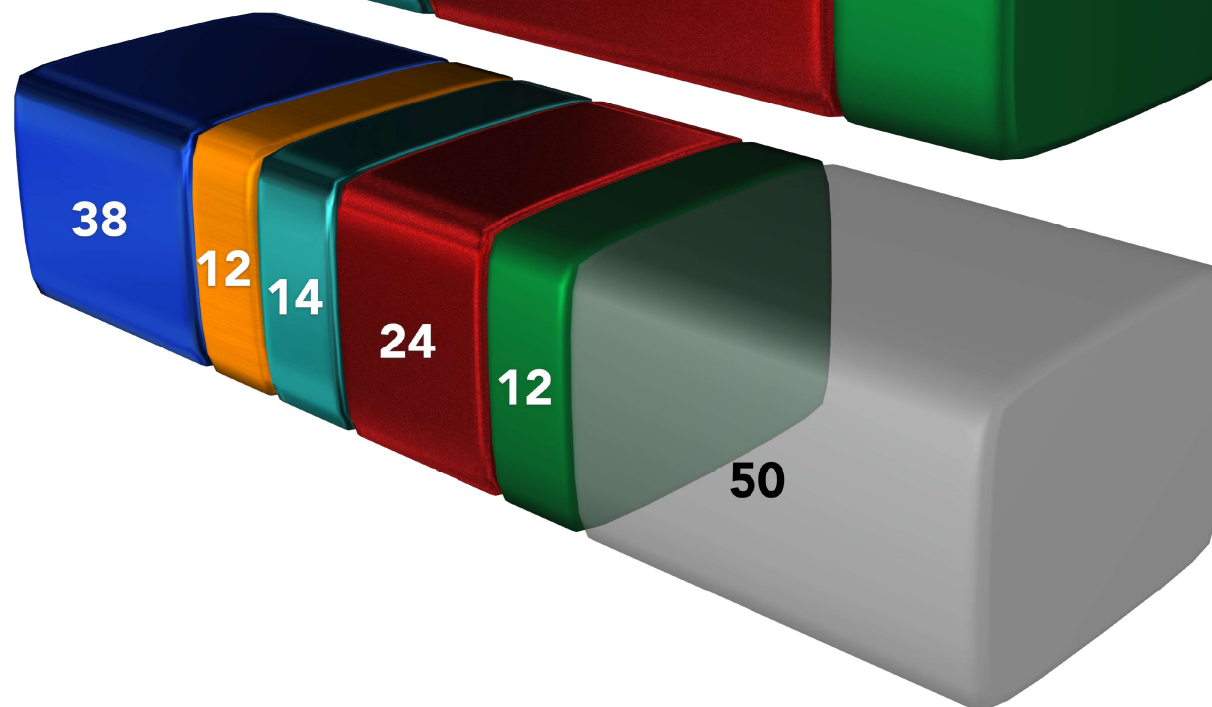


Oggi (~ €151B)

Oggi (~ €151B)



Elettrica (~ €101B)

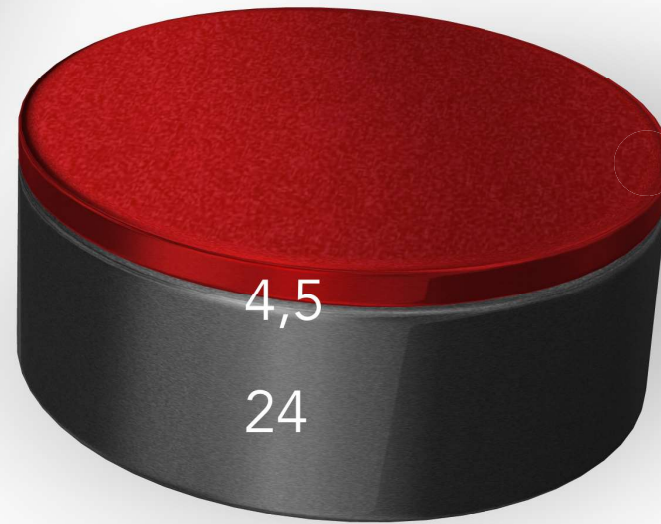


- Acquisto
- Finanziari
- Manutenzione
- Carburanti
- Assicurazione
- ???

DOVE TROVARE I SOLDI?



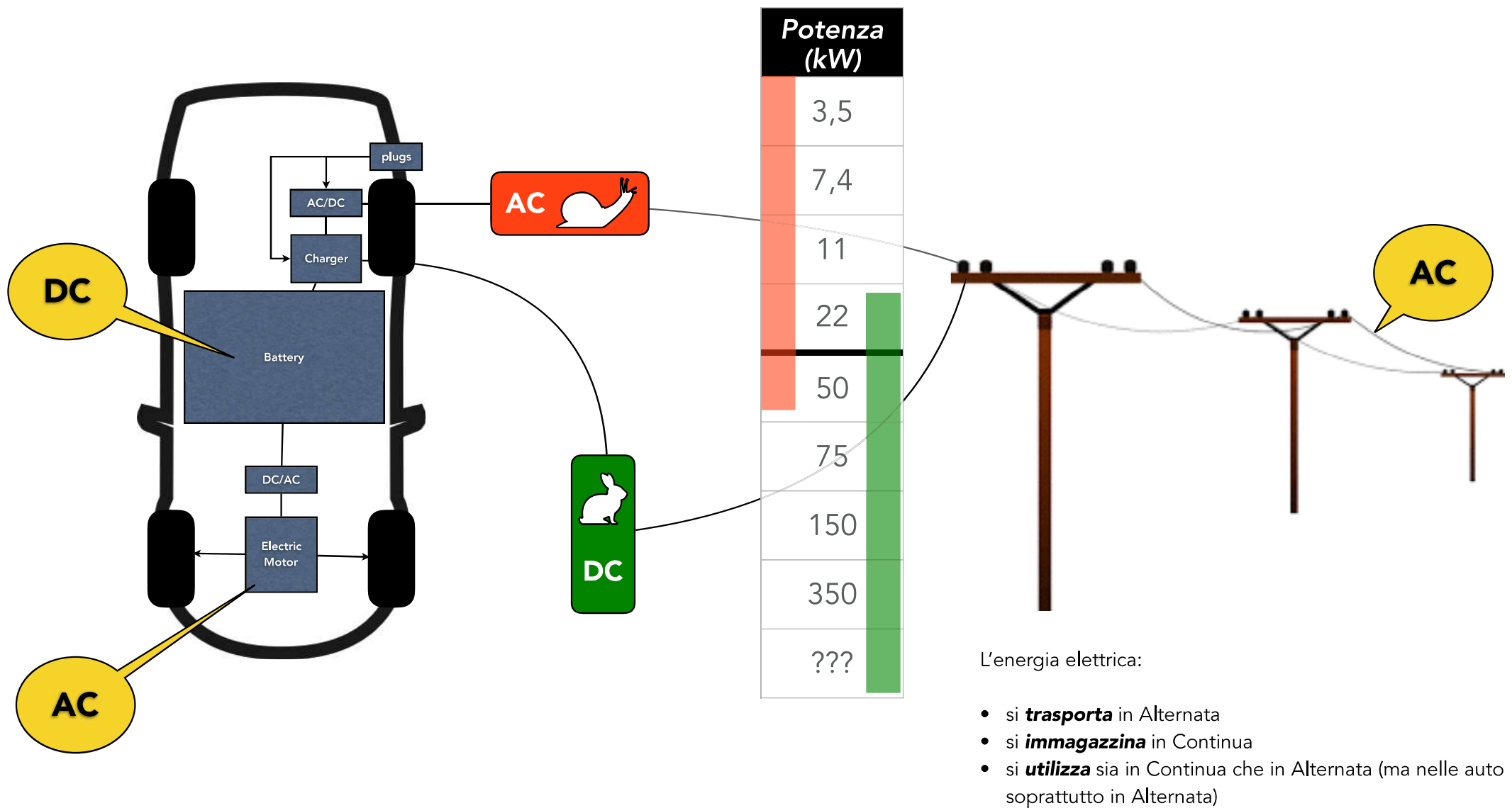
ICE



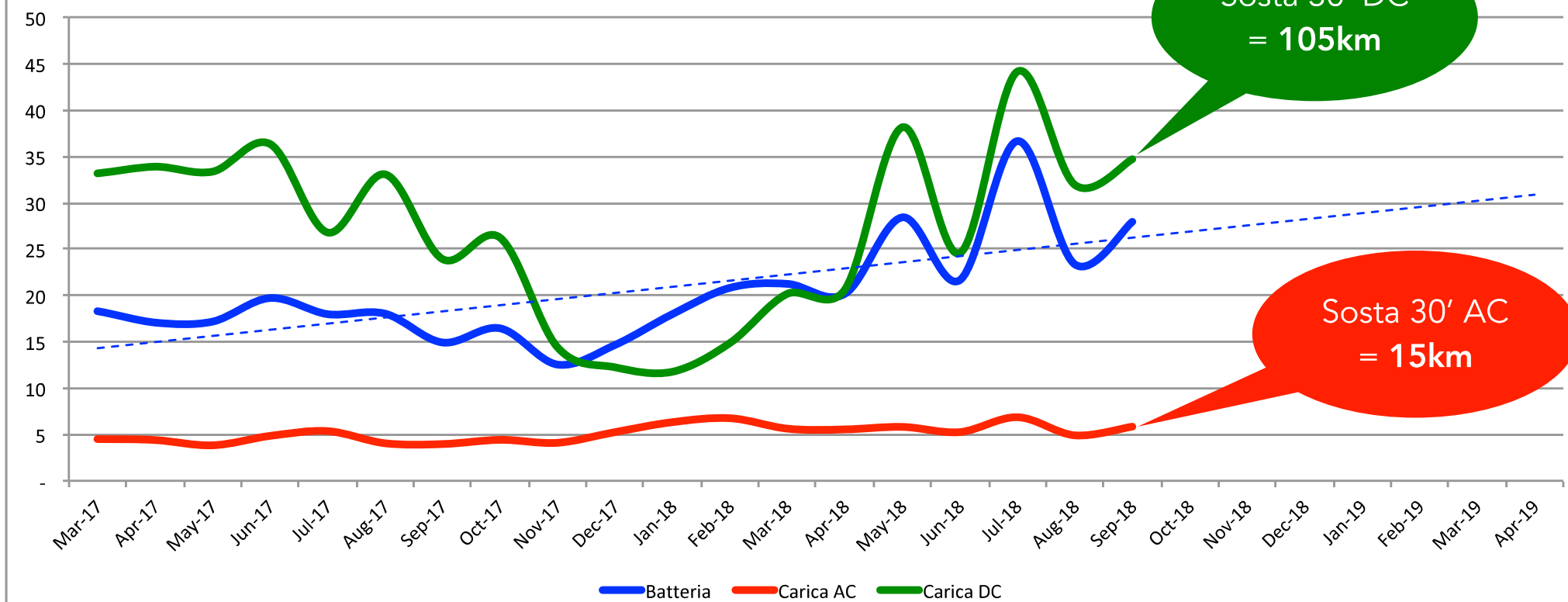
24

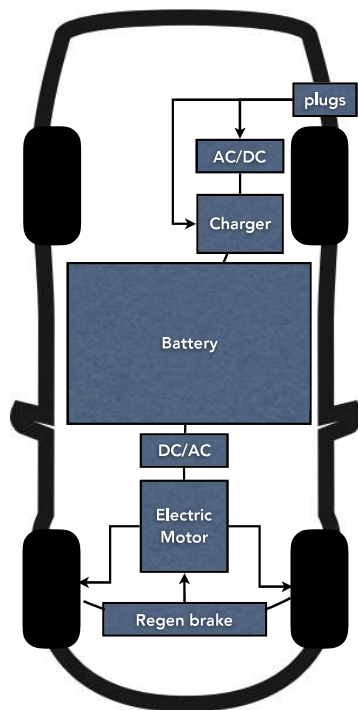
EV

125,570
x
€35,000

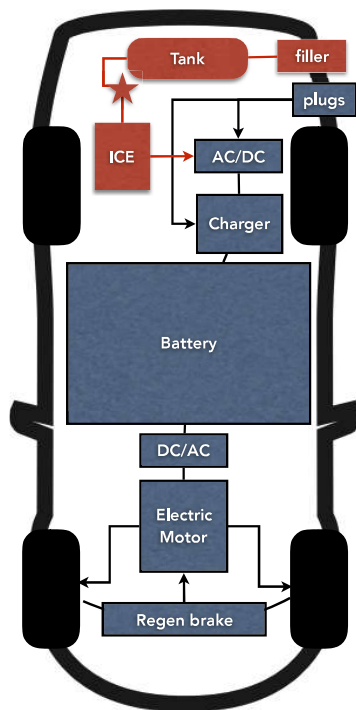


Media EV immatricolate in Italia (escluso Tesla)

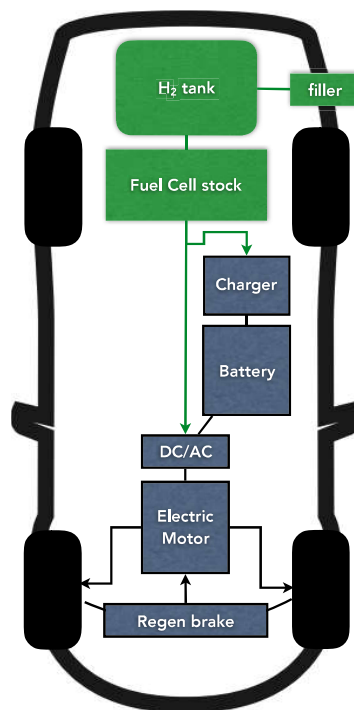




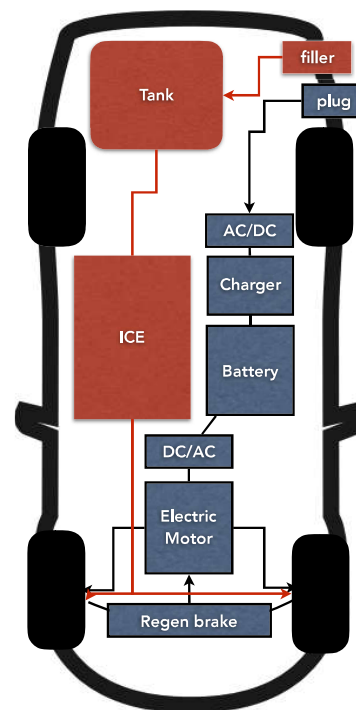
BEV



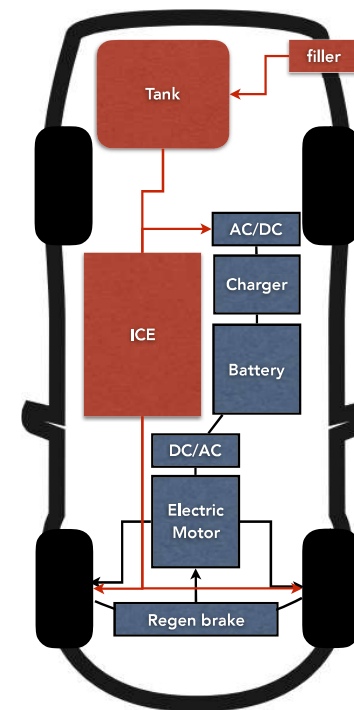
BEV + REx



FCEV

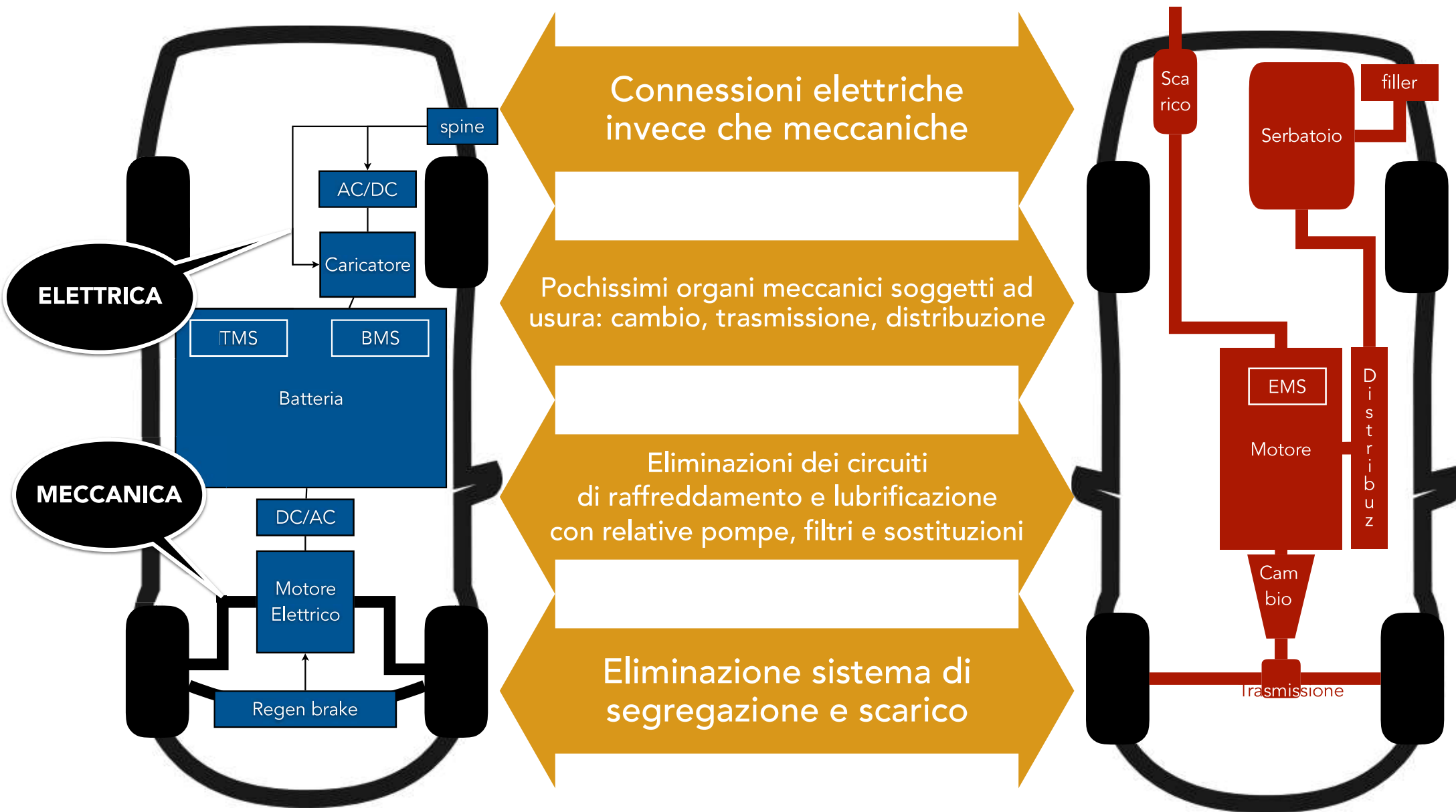


PHEV



HEV

Esempio: Tesla Model S	BMW i3	Toyota Mirai	Mini Countryman Plug-In	Toyota Prius
Efficienza energetica: 73%	73% ↔ 20%	22% (???)	60% ↔ 17%	54% ↔ 15%
Trasmissione: NO	NO	NO	SI	SI / HSD
Cambio: NO	NO	NO	SI	SI
Motore: AC induzione/sincrono	AC sincrono	AC sincrono	AC sincrono	AC sincrono
Emissioni: -66% CO ₂	-66% ↔ -8% CO ₂	-50% (???) CO ₂	-58% ↔ +2% CO ₂	-57% ↔ +11% CO ₂



MANUTENZIONE

Anni	km	Modello ICE	Costo	Modello EV	Costo	Differenza
5	150.000	VW Golf benzina	€ 1.665	VW e-Golf	€ 875	-47%
5	150.000	VW Golf turbodiesel	€ 2.490	VW e-Golf	€ 875	-65%
5	150.000	VW Golf TGI metano	€ 2.925	VW e-Golf	€ 875	-70%
5	150.000	VW Up!	€ 2.025	VW e-Up!	€ 875	-57%
3	90.000	Nissan Micra benzina	€ 537	Nissan Leaf	€ 300	-44%
3	90.000	Nissan Micra diesel	€ 666	Nissan Leaf	€ 300	-55%
3	90.000	Nissan NV-200 diesel	€ 810	Nissan eNV-200	€ 380	-53%
3	90.000	Nissan NV-200 benzina	€ 738	Nissan eNV-200	€ 380	-49%
4	80.000	Audi Q7	€ 2.245	Tesla Model X 4WD	€ 3.000	34%
3	90.000	BMW Serie 2 benzina	€ 1.318	BMW i3 BEV	€ 659	-50%
3	90.000	BMW Serie 2 diesel	€ 1.318	BMW i3 BEV	€ 659	-50%
4	120.000	Renault Clio 1.2 benzina	€ 1.260	Renaut Zoe	€ 490	-61%
4	120.000	Renault Clio dCi diesel	€ 1.190	Renaut Zoe	€ 490	-59%
3	45.000	Hyundai i30 benzina	€ 995	Hyundai Ioniq PHEV	€ 1.035	4%
3	45.000	Hyundai i30 benzina	€ 995	Hyundai Ioniq Hybrid	€ 1.035	4%
3	45.000	Hyundai i30 benzina	€ 995	Hyundai Ioniq EV	€ -	-100%
3	45.000	Hyundai i30 diesel	€ 1.055	Hyundai Ioniq PHEV	€ 1.035	-2%
3	45.000	Hyundai i30 diesel	€ 1.055	Hyundai Ioniq Hybrid	€ 1.035	-2%
3	45.000	Hyundai i30 diesel	€ 1.055	Hyundai Ioniq EV	€ -	-100%

QUANDO CONVIENE?

➔ Percorrenza

➔ % urbana

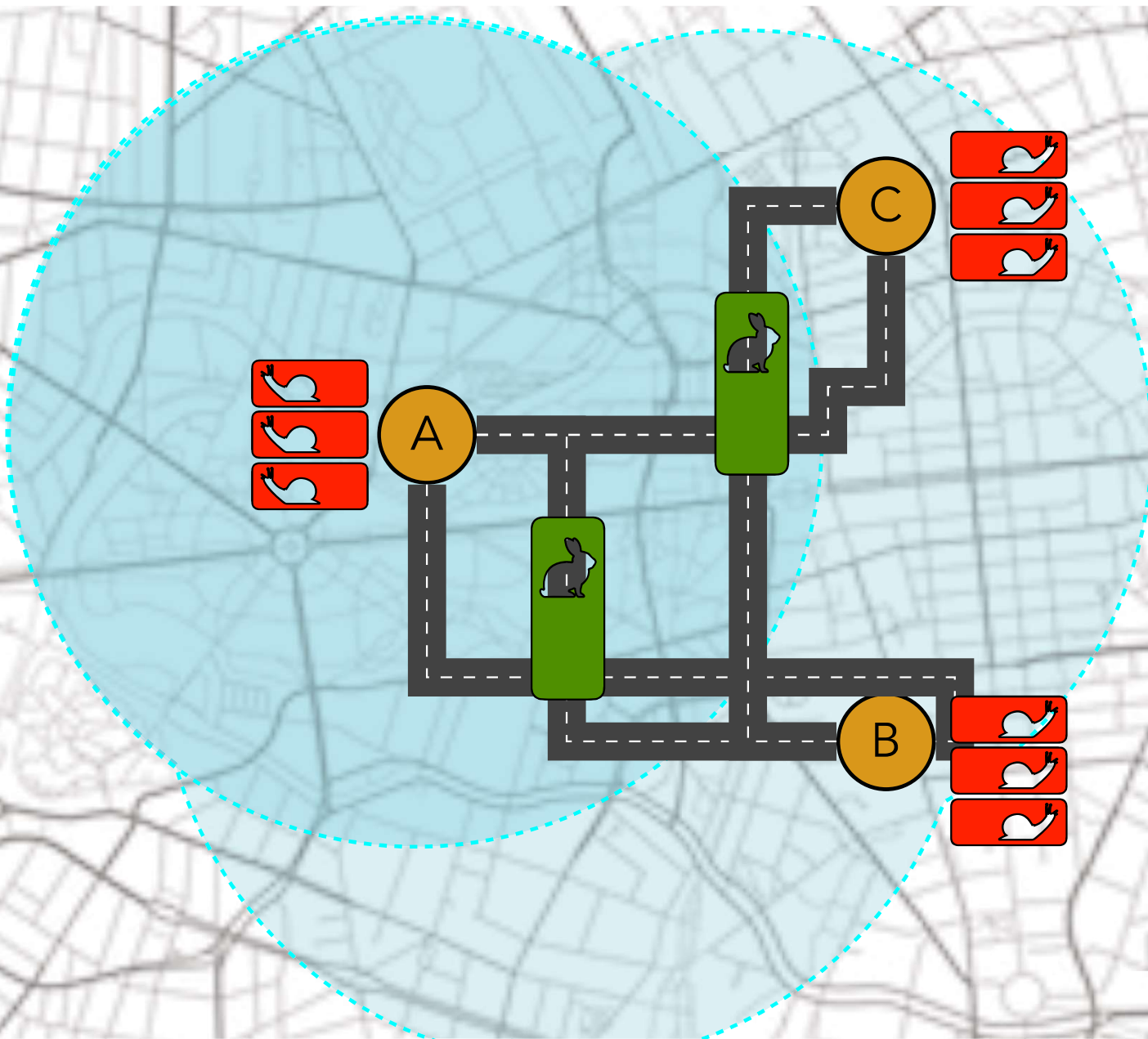
➔ Accessi ZTL

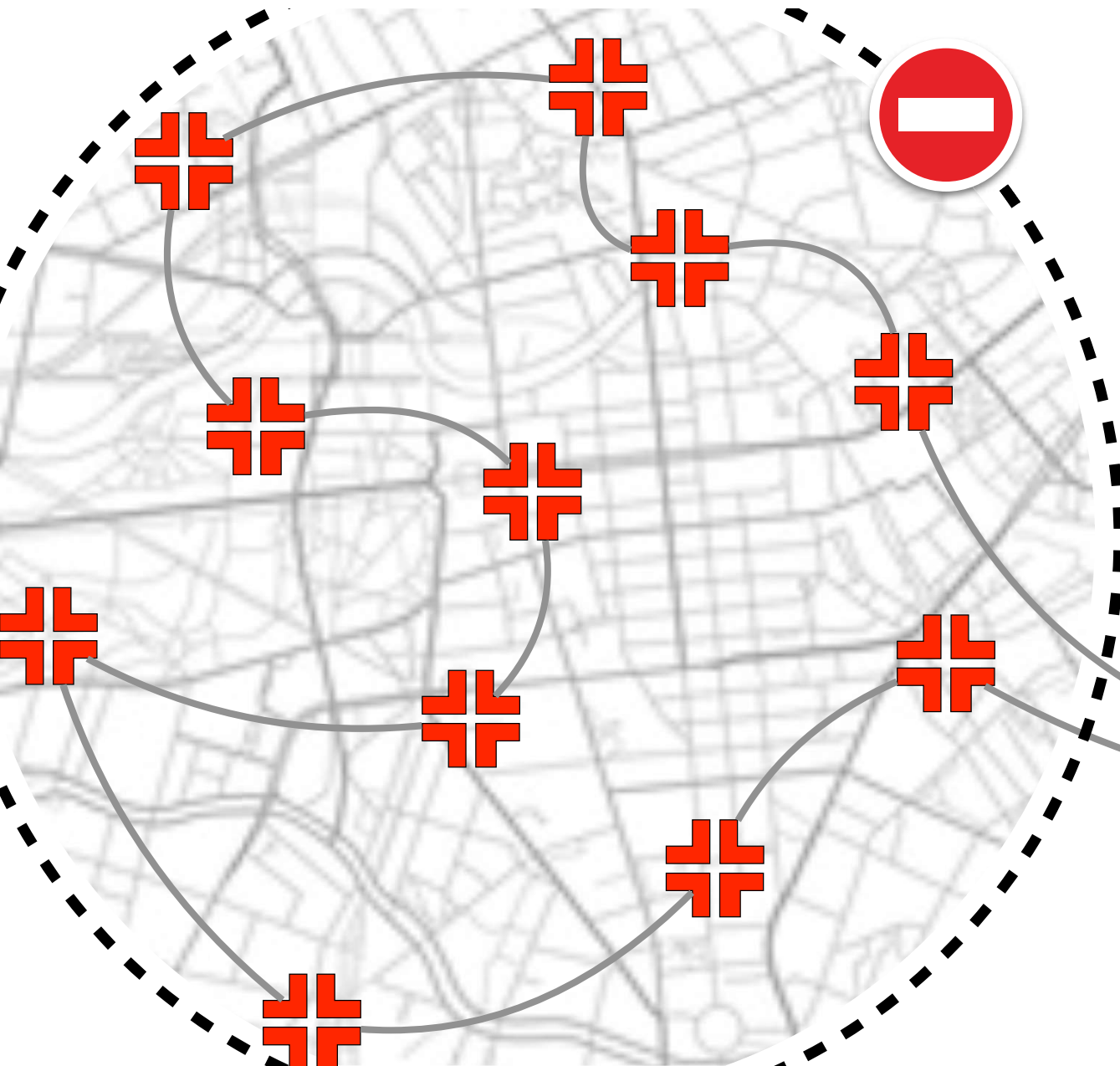
➔ Fotovoltaico

➔ Costo Energia

➔ Val. residuo

SCENARIO 3: HINTERLAND			Percorrenza urbana Accessi AreaC Autoconsumo FV						35% 50 (max 140) 30%	6,7	13,9
Costo EE pesato			10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	
€ 0,39	0%		155%	143%	133%	125%	119%	114%	109%	105%	
€ 0,37	5%		154%	142%	132%	124%	118%	113%	108%	104%	
€ 0,36	10%		154%	141%	132%	124%	117%	112%	107%	103%	
€ 0,35	15%		153%	141%	131%	123%	116%	111%	106%	102%	
€ 0,34	20%		153%	140%	130%	122%	115%	110%	105%	101%	
€ 0,33	25%		152%	140%	129%	121%	115%	109%	104%	100%	
€ 0,31	30%		152%	139%	129%	120%	114%	108%	103%	99%	
€ 0,30	35%		152%	138%	128%	120%	113%	107%	102%	98%	
€ 0,29	40%		151%	138%	127%	119%	112%	106%	101%	97%	
€ 0,28	45%		151%	137%	127%	118%	111%	105%	100%	96%	
€ 0,27	50%		150%	137%	126%	117%	110%	104%	99%	95%	
€ 0,25	55%		150%	136%	125%	116%	109%	103%	98%	94%	
€ 0,24	60%		149%	135%	124%	116%	108%	102%	97%	93%	
€ 0,23	65%		149%	135%	124%	115%	108%	101%	96%	92%	
€ 0,22	70%		148%	134%	123%	114%	107%	100%	95%	91%	
€ 0,21	75%		148%	134%	122%	113%	106%	99%	94%	90%	
€ 0,19	80%		147%	133%	122%	112%	105%	99%	93%	89%	
€ 0,18	85%		147%	132%	121%	112%	104%	98%	92%	87%	
€ 0,17	90%		147%	132%	120%	111%	103%	97%	91%	86%	
€ 0,16	95%		146%	131%	119%	110%	102%	96%	90%	85%	
€ 0,15	100%		146%	131%	119%	109%	101%	95%	89%	84%	

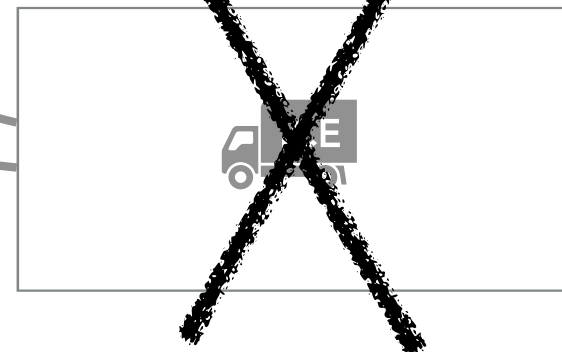


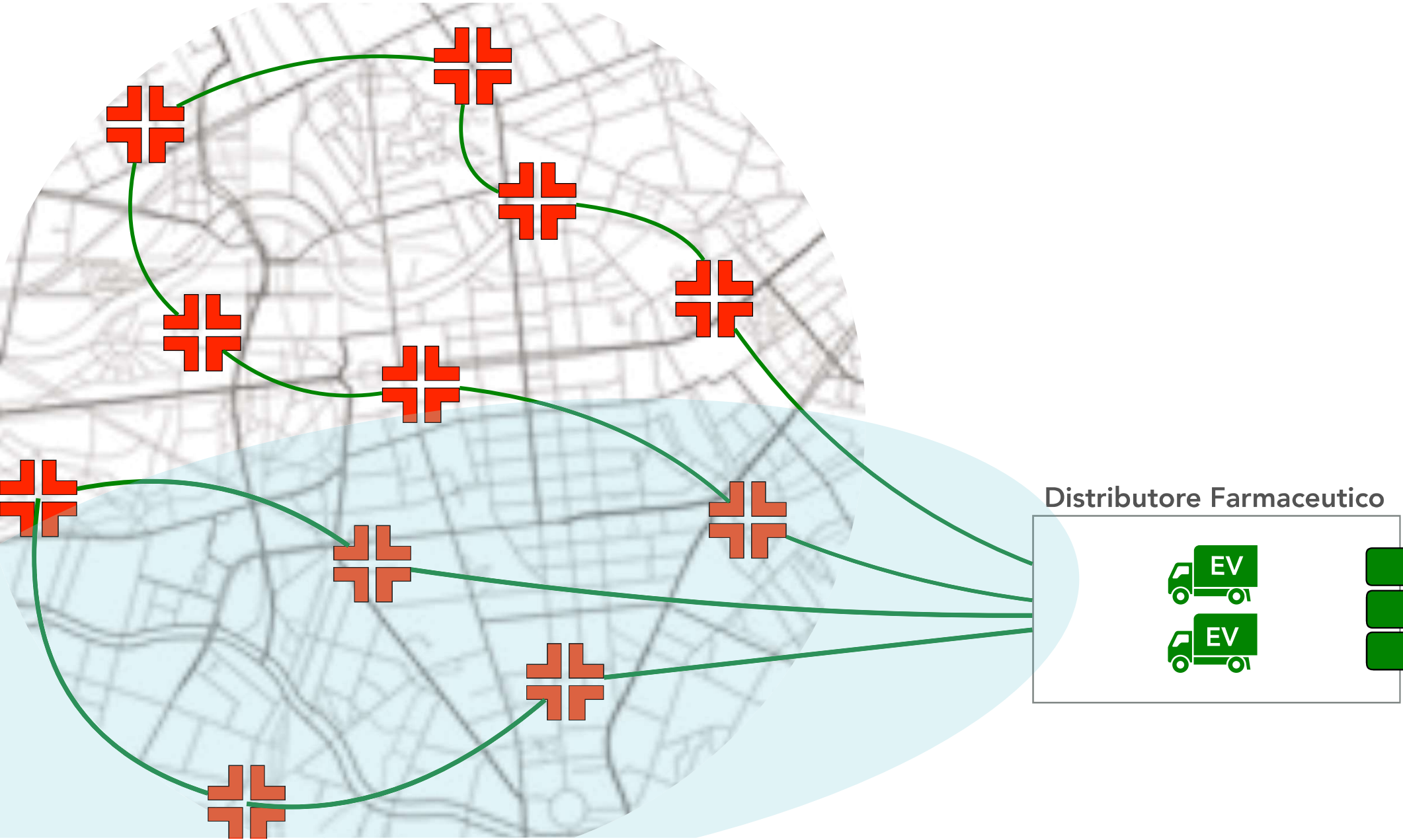


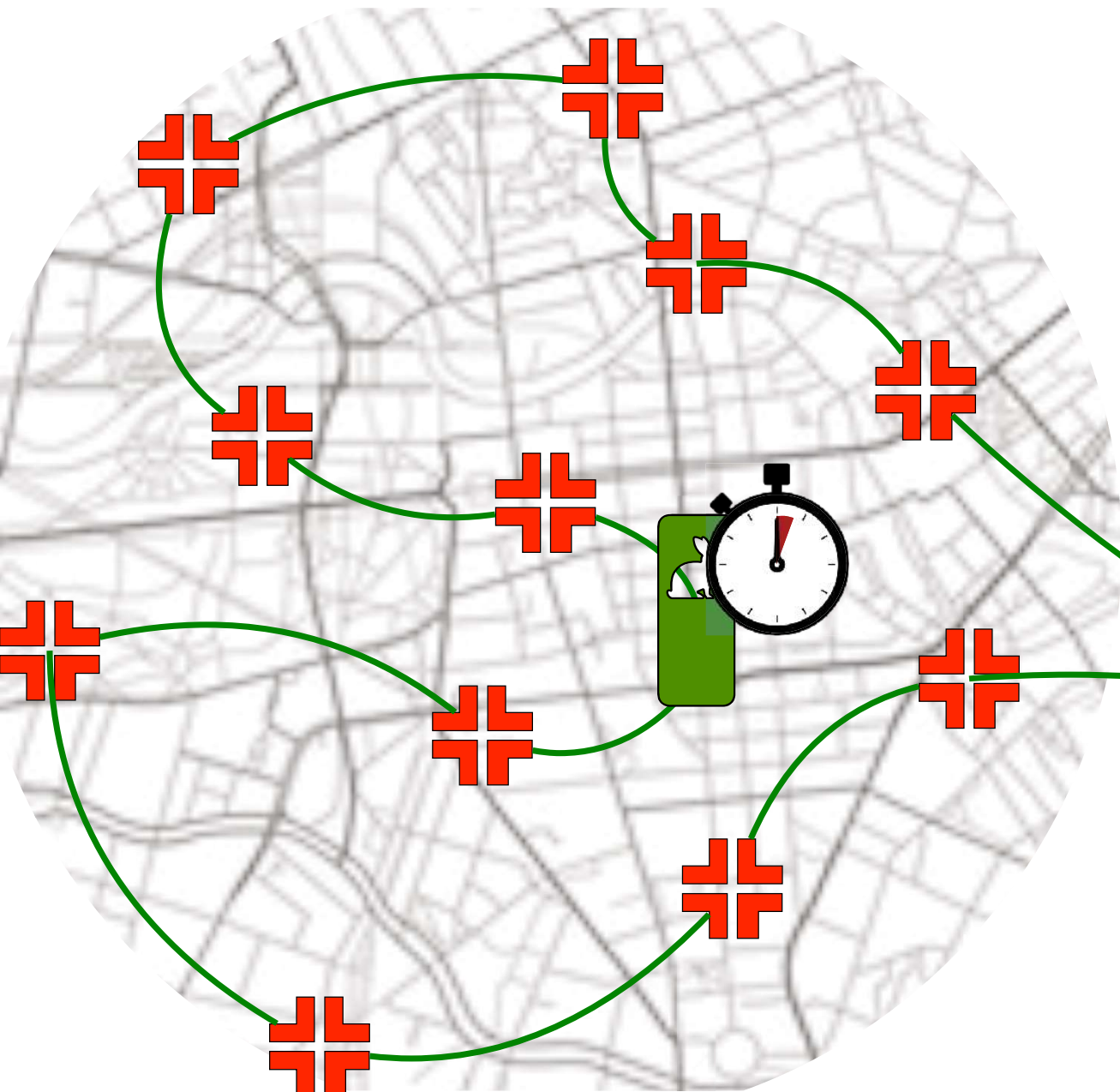
AreaB: no diesel entro il 2025



Distributore Farmaceutico







Distributore Farmaceutico



COME FUNZIONA?

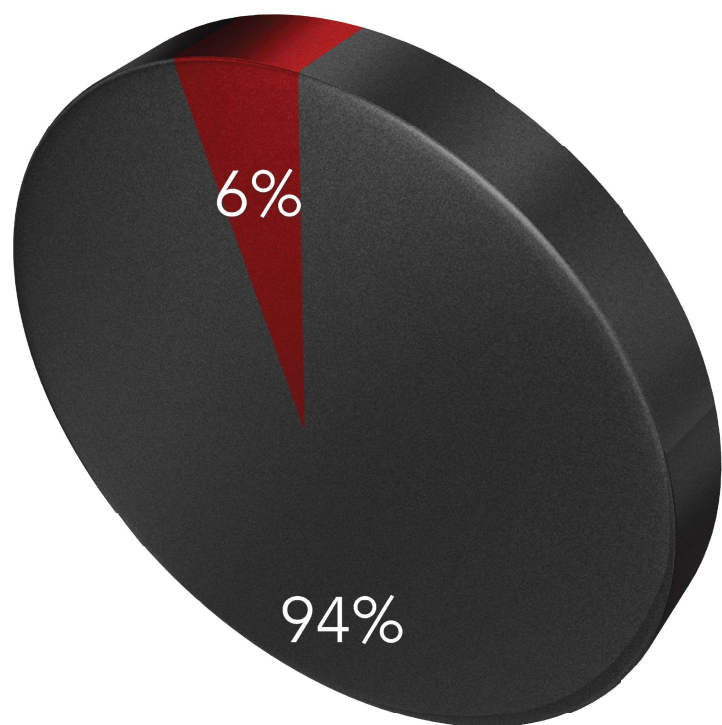
OneWedge:

- progetta la rete
- acquisisce diritti aree
- acquista & installa caricatori
- paga le bollette energetiche
- assicura la manutenzione

Cliente:

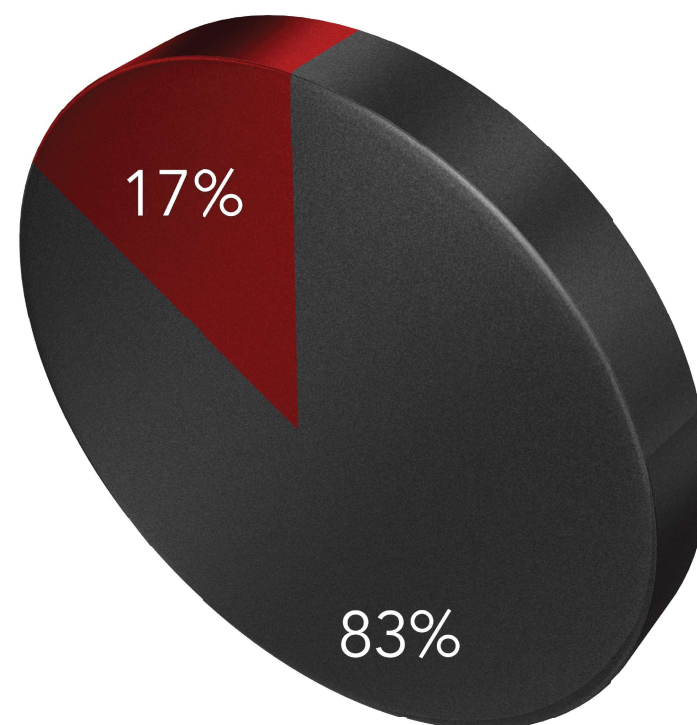
- paga un canone di noleggio
FLAT < 90% del suo attuale
costo di esercizio

PERCHÉ LE AZIENDE?



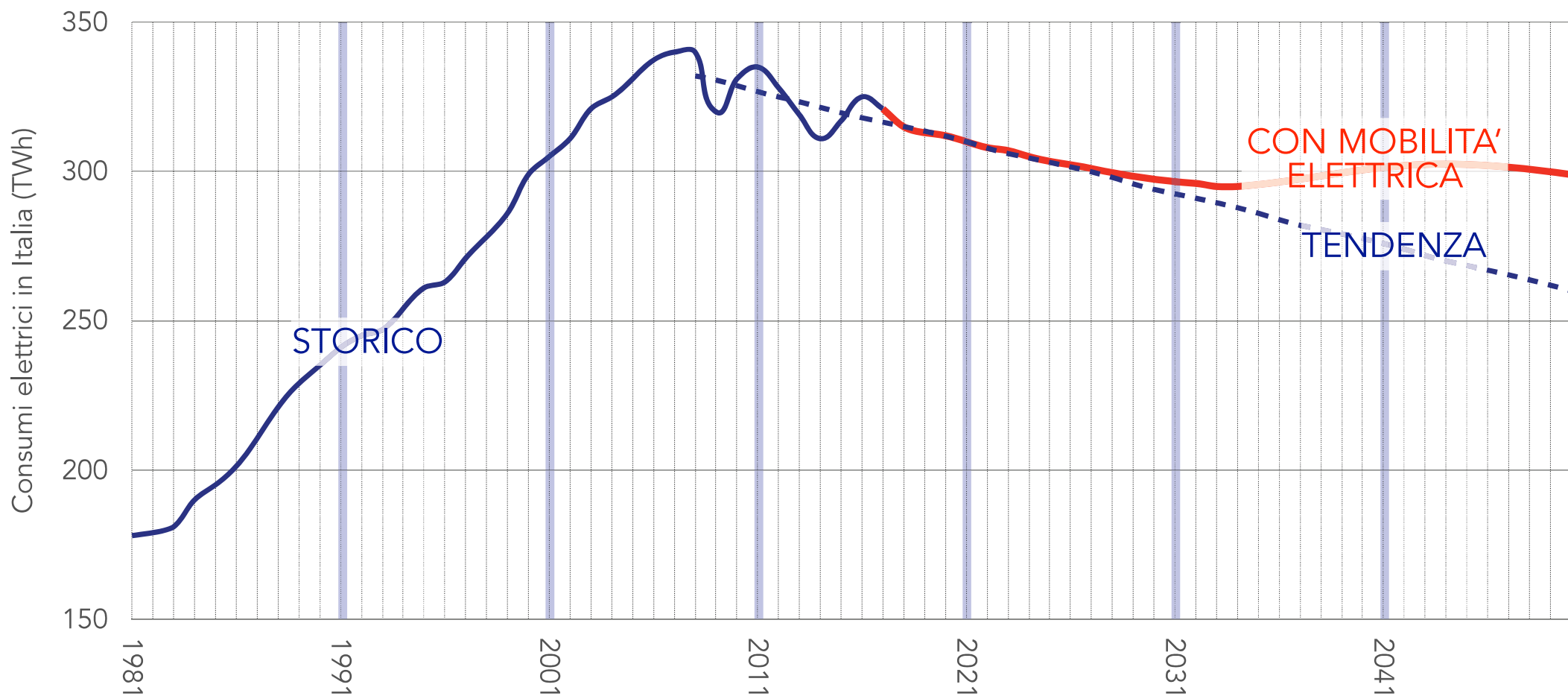
Parco circolante: 36M

● Privati
● Imprese

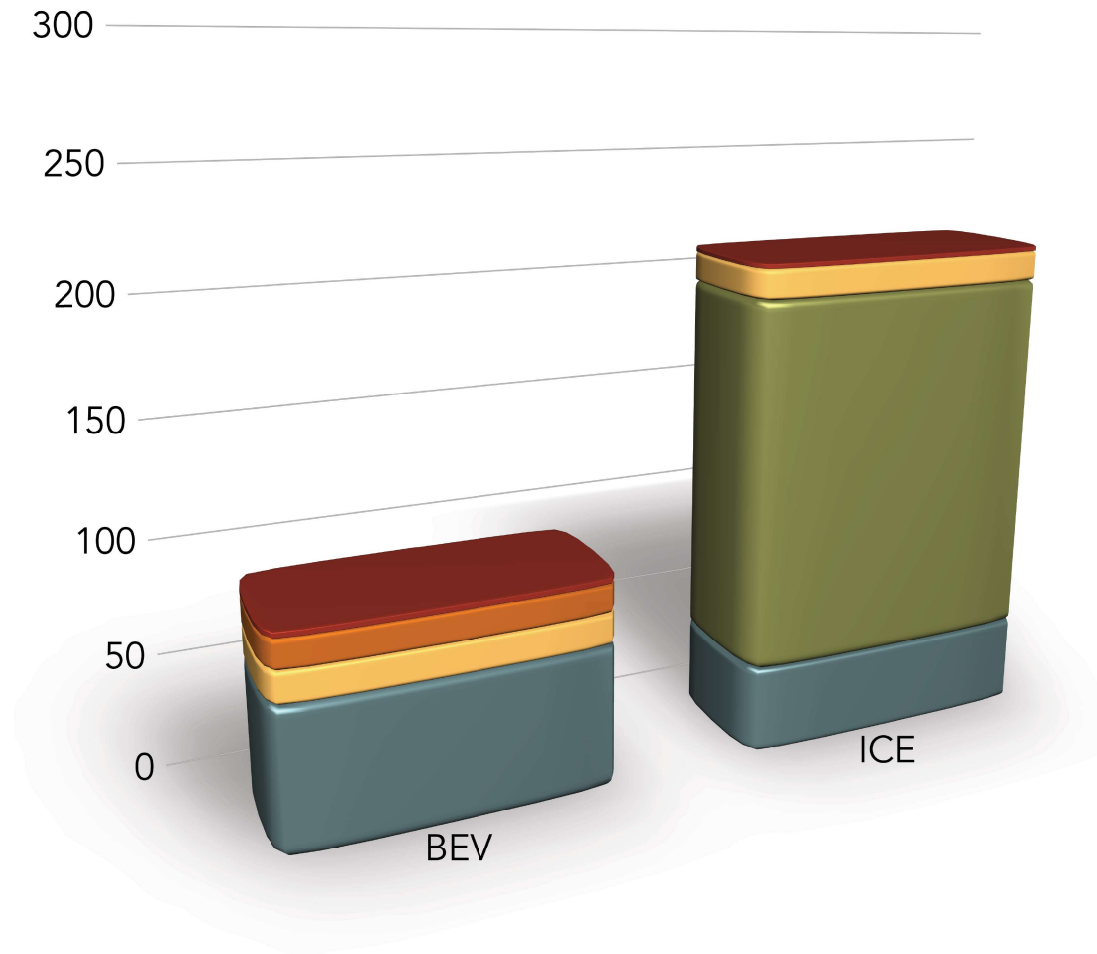


Percorrenza annuale: 420G km

QUANTA ENERGIA CI VORRÀ?



MA SE USIAMO IL CARBONE...



The basic assumptions are: a life time driven distance of 200.000km and a weight of the glider of 1200kg.

For the battery electric vehicle following assumption are considered: a real-life electricity consumption of 0,2 kWh/km and a 30kWh LMO battery (average of 55 kgCO₂/kWh); 1,5 battery replacement is needed over the life time of the vehicle.

The reference diesel vehicle emits 120 gCO₂/km on NEDC, which is augmented with 35% to reflect real life driving conditions.

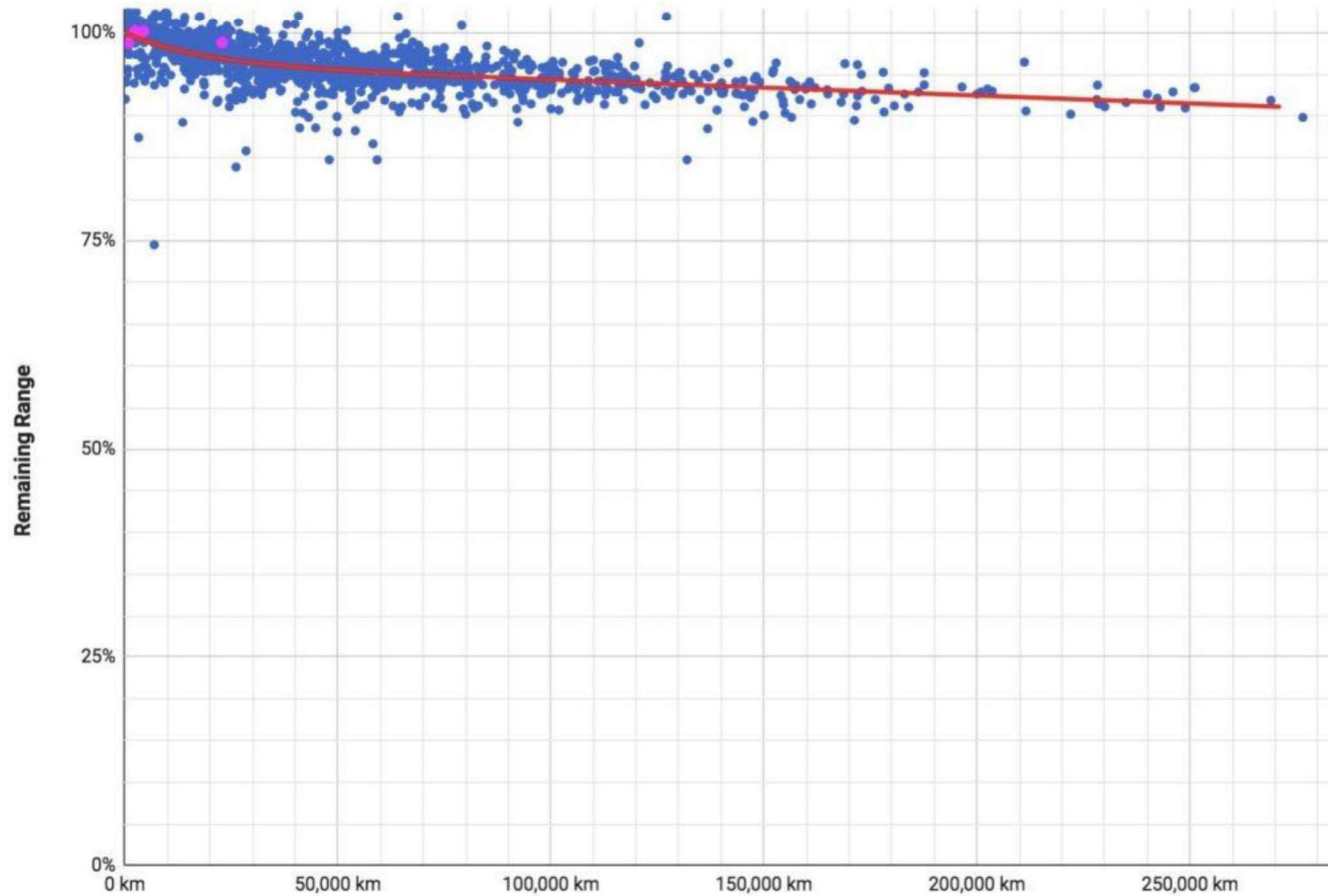
The EU 28 mix of 2015 emits 300gCO₂/kWh.

BEV	ICE	
3%	1%	Powertrain
14%	0%	Battery
15%	6%	Glider
0%	75%	TTW
68%	18%	WTT

Travel & Environment Lifecycle emissions study: <https://bit.ly/2AZx1nl>

LE BATTERIE SI ESAURISCONO

Tesla Model S/X Mileage vs Remaining Battery Capacity (Same chart as above but at full scale for better perspective)





...E CHE NE
FACCIAMO DOPO?

PER APPROFONDIRE:

academy.onewedge.com

onewedge.com/blog

onewedge.com/sparklers

newsletter
settimanale del
venerdì sulle
novità più
interessanti dal
mondo della
Mobilità Elettrica

A dramatic night sky with dark, heavy clouds and several bright, jagged lightning bolts striking down. The city lights of a large urban area are visible in the lower portion of the image, creating a glowing horizon line. The overall atmosphere is intense and powerful.

ONE
WEDGE

DOMANDE?