

Summary

Alternative Drivelines for City buses 2021 / 2022

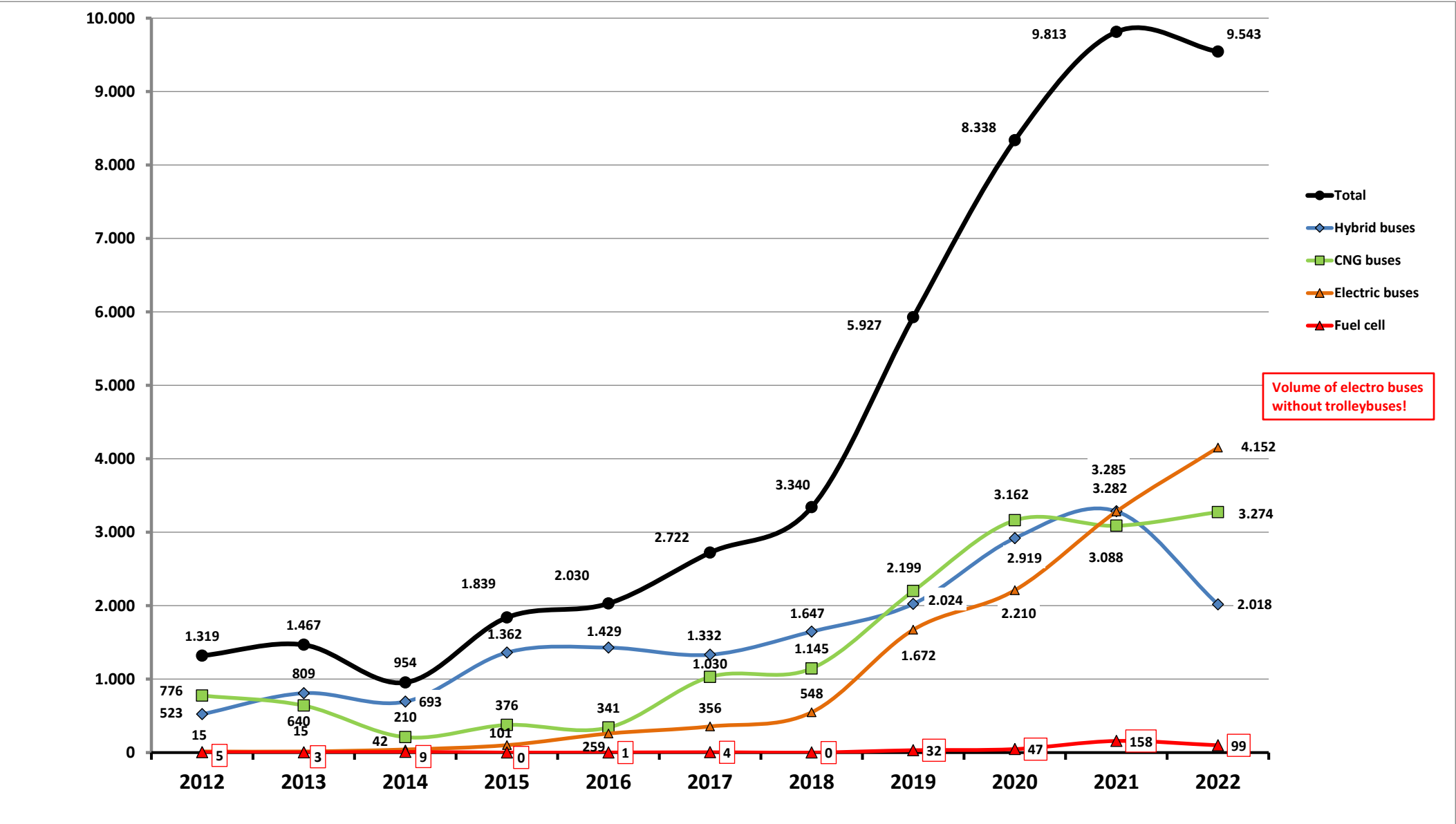
GVW: > 8 tonnes



24h of January, 2023

Development of Alternative Drivelines, GVW >8t

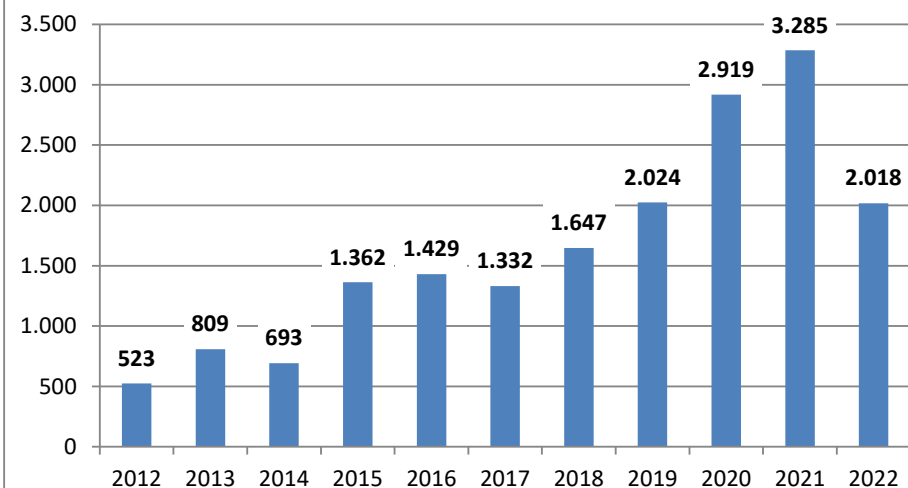
Years 2012-2019: Western-Europe + Poland / Years 2020-2022: EU27+UK+ICE+NO+CH



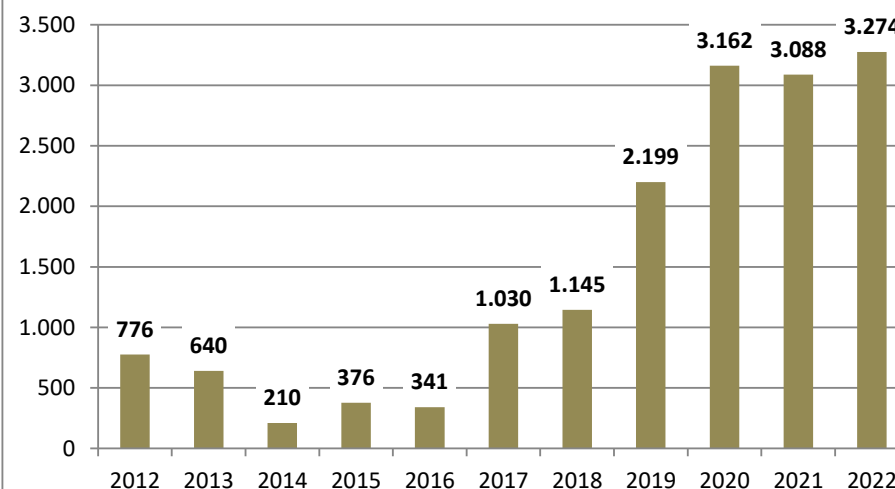
Development of Alternative Drivelines, GVW >8t

Years 2012-2019: Western-Europe + Poland / Years 2020-2022:EU27+UK+ICE+NO+CH

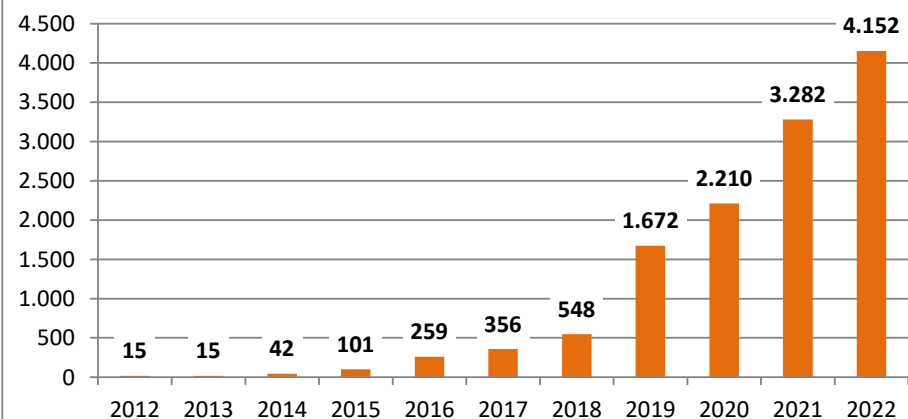
Hybrid buses



CNG buses

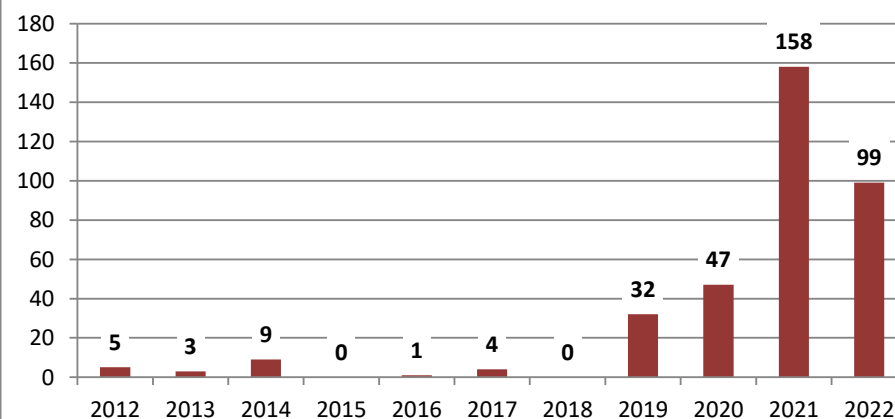


Electric buses



Volume of electric buses without trolleybuses

Fuel cell



Development shares Alternative Drivelines 2020-2021-2022

Countries: EU27+UK+ICE+NO+CH

Total number of city buses with alternative driveline, registered in 2020:

	Hybrid	Electric	CNG - NGT	Fuel Cell	total:
Total 2020:	2.919	2.210	3.162	47	8.338
In other segments:	2	10	539		551
In city bus segment:	2.917	2.200	2.623	47	7.787
City bus market (excl.51 trolleys)					14.842
Share:	19,7%	14,8%	17,7%	0,3%	52,5%

Total number of city buses with alternative driveline, registered in 2021:

	Hybrid	Electric	CNG - NGT	Fuel Cell	total:
Total 2021:	3.285	3.282	3.088	158	9.813
In other segments:	15	23	864		902
In city bus segment:	3.270	3.259	2.224	158	8.911
City bus market (excl.71 trolleys)					14.990
Share:	21,8%	21,7%	14,8%	1,1%	59,4%

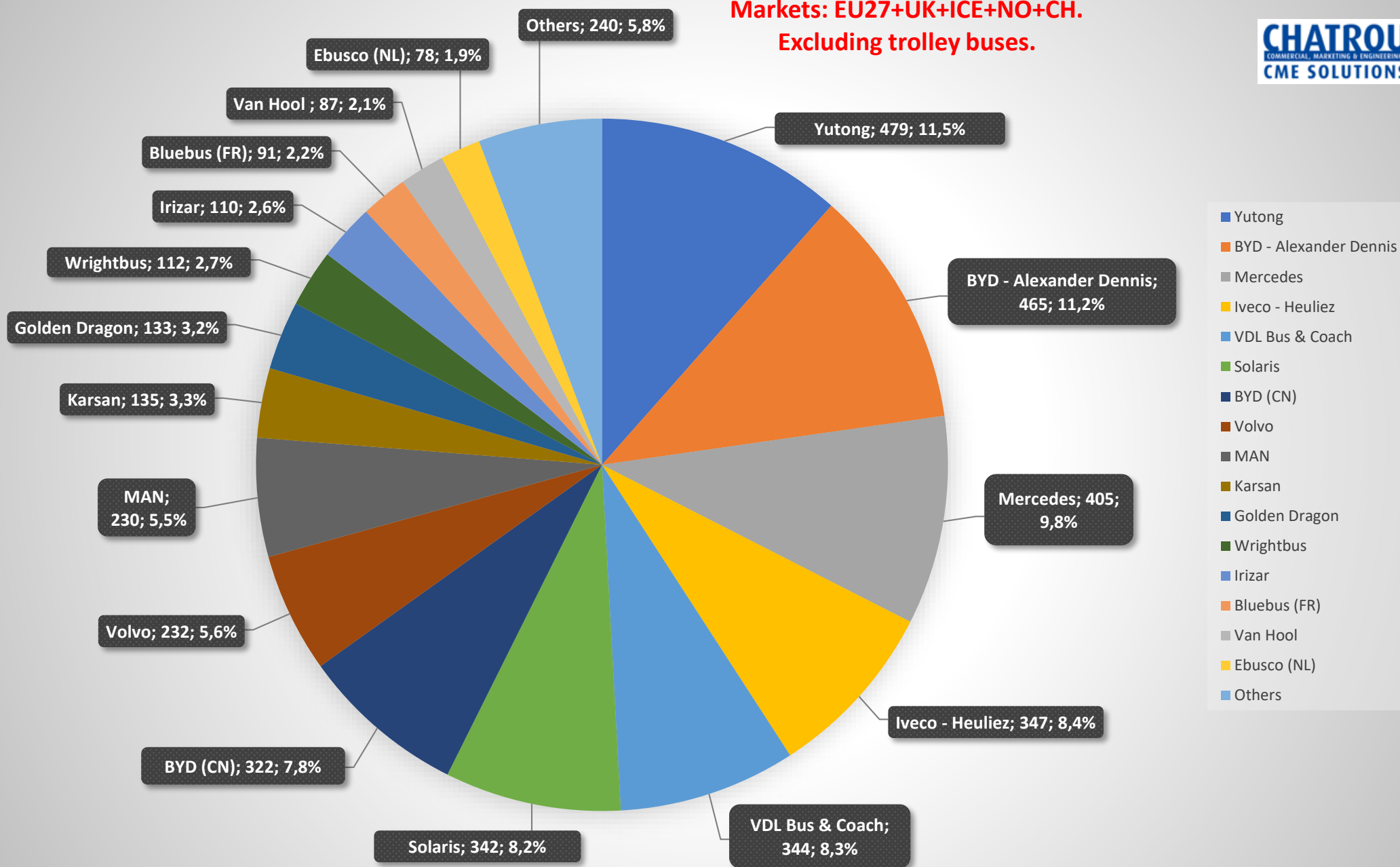
Total number of city buses with alternative driveline, registered in 2022:

	Hybrid	Electric	CNG - NGT	Fuel Cell	total:
Total 2022:	2.018	4.152	3.274	99	9.543
In other segments:	19	171	978		1.168
In city bus segment:	1.999	3.981	2.296	99	8.375
City bus market (excl.43 trolleys)					13.404
Share:	14,9%	29,7%	17,1%	0,7%	62,5%

Registrations of electric city buses in 2022, GVW >8t - total volume: 4.152

By manufacturer

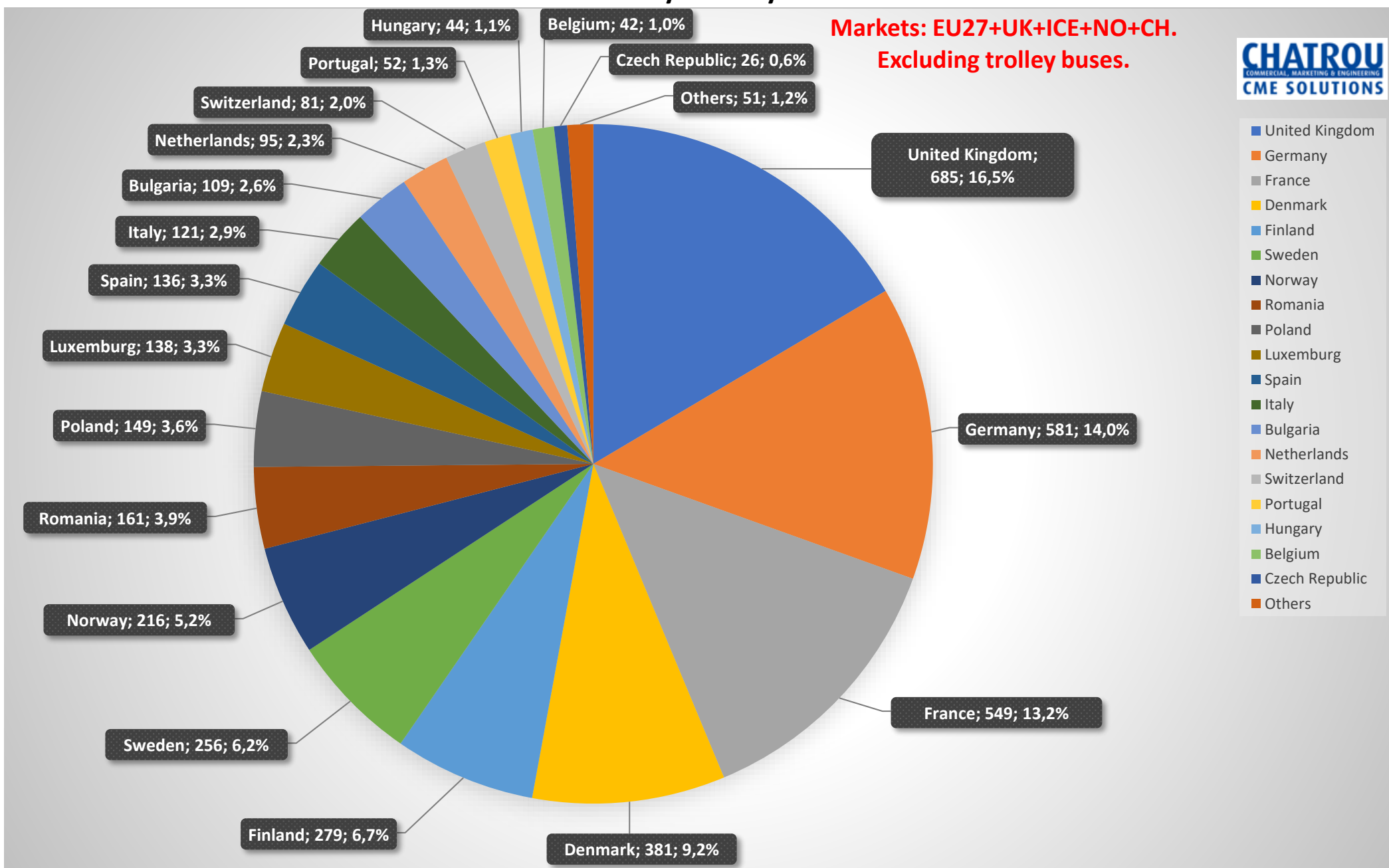
Markets: EU27+UK+ICE+NO+CH.
Excluding trolley buses.



Registrations of electric city buses in 2022, GVW >8t - total volume: 4.152

By country

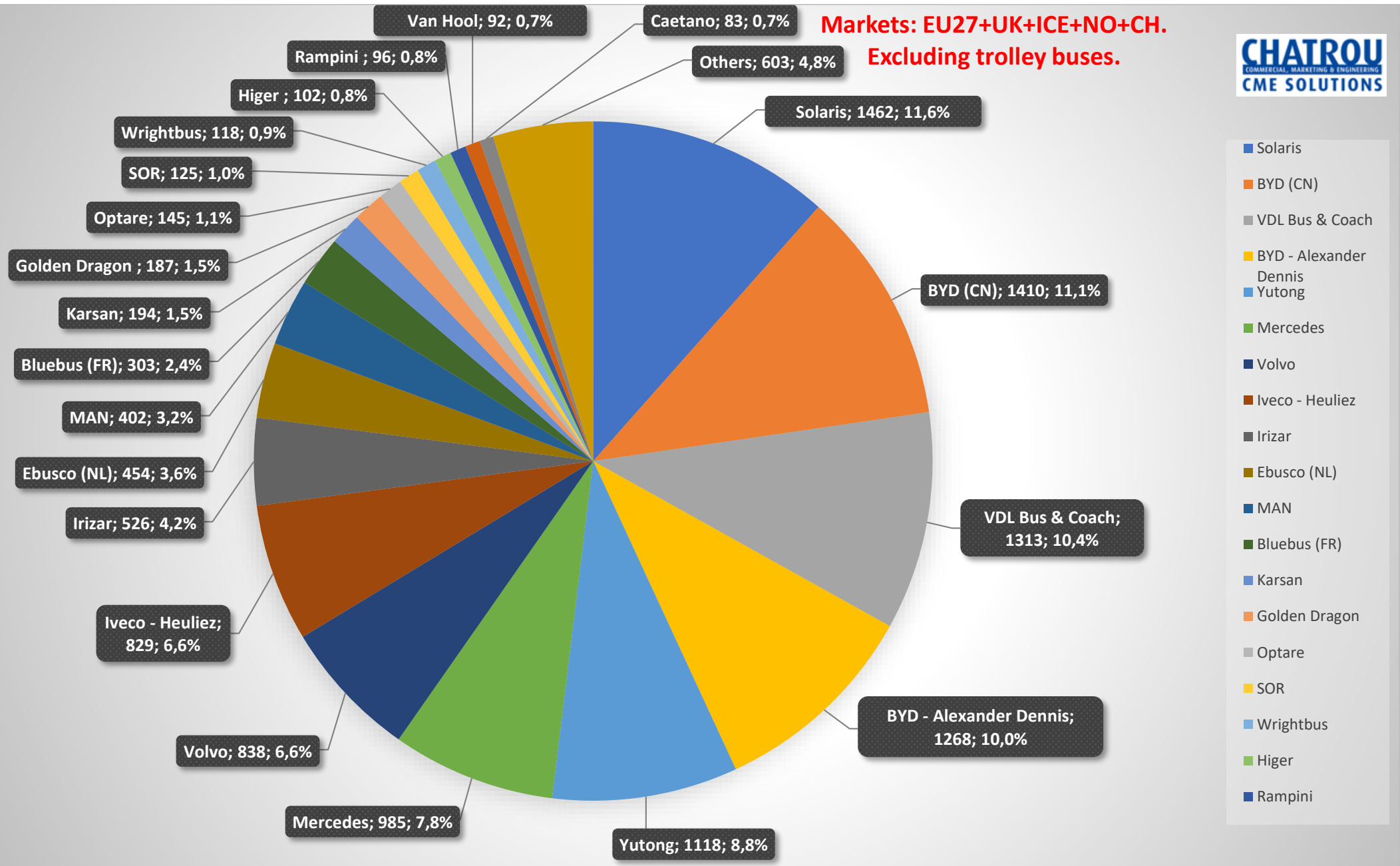
Markets: EU27+UK+ICE+NO+CH.
Excluding trolley buses.



Registrations of electric city buses 2012 - 2022, GVW >8t - total volume: 12.653

By manufacturer

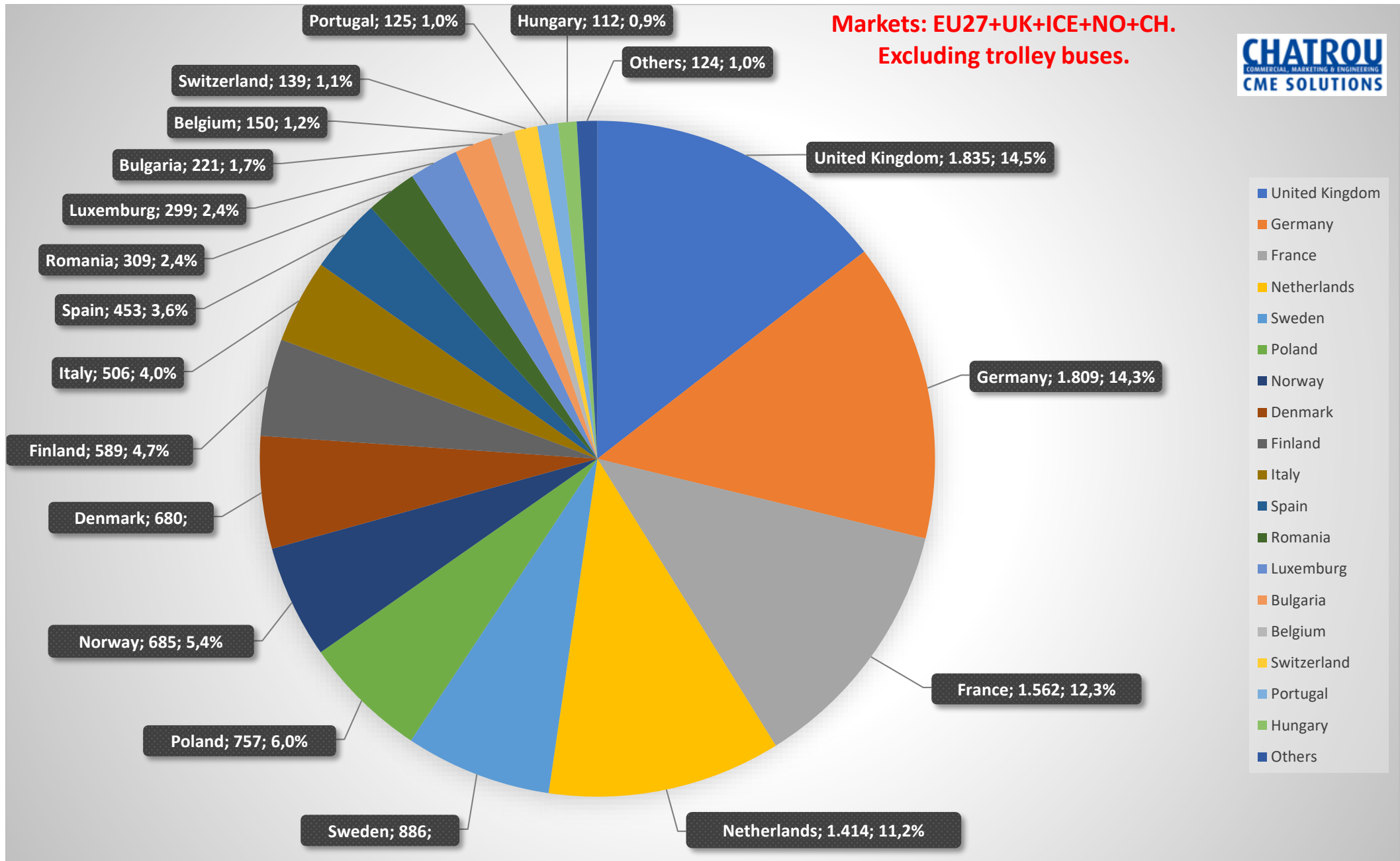
Markets: EU27+UK+ICE+NO+CH.
Excluding trolley buses.



Registrations of electric city buses 2012 - 2022, GVW >8t - total volume 12.653

By country

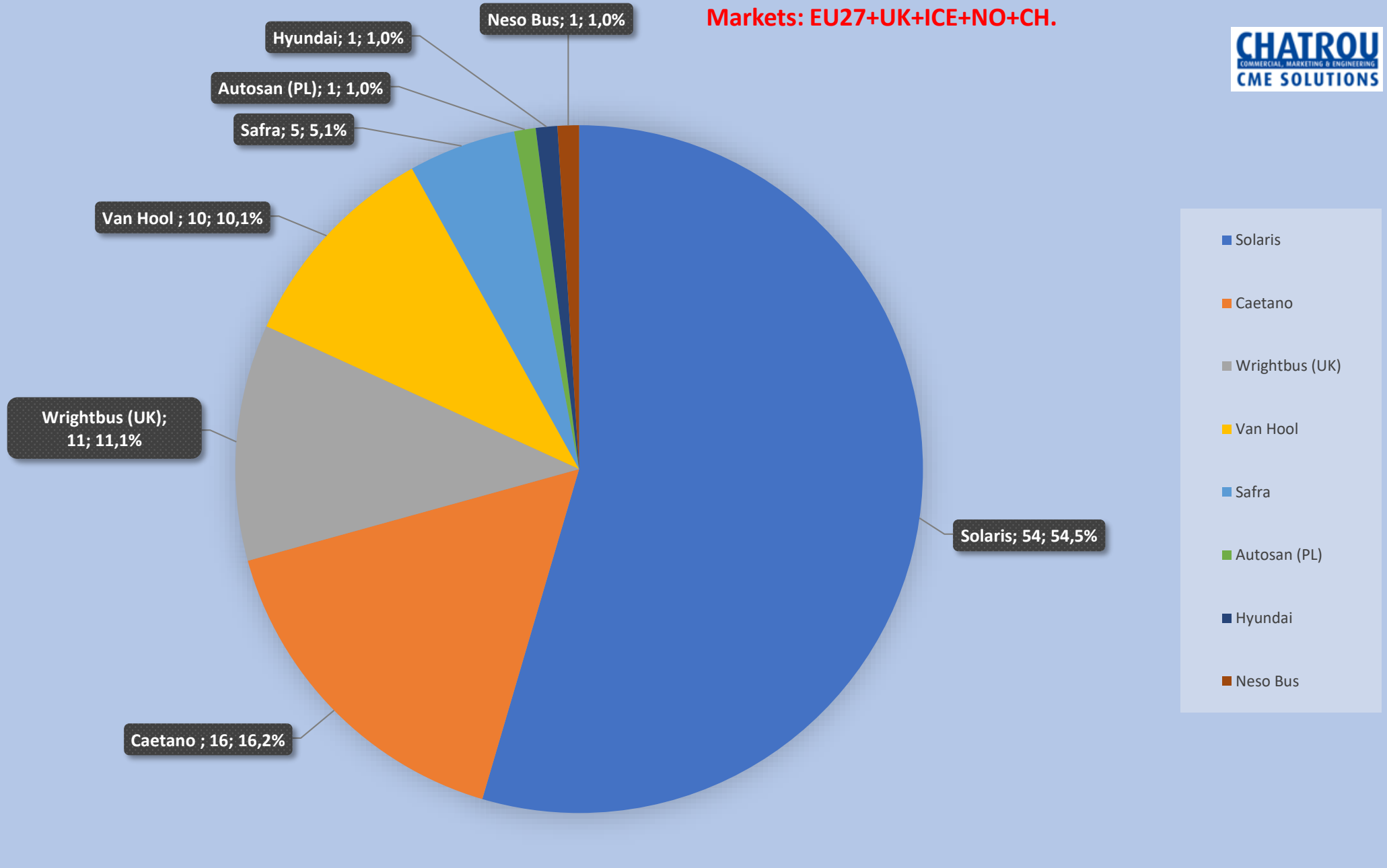
Markets: EU27+UK+ICE+NO+CH.
Excluding trolley buses.



Registrations of Hydrogen city buses in 2022, GVW >8t - total volume: 99

By manufacturer

Markets: EU27+UK+ICE+NO+CH.



Registrations of Hydrogen city buses 2012 - 2022, GVW >8t - total volume: 370

By manufacturer

Markets: EU27+UK+ICE+NO+CH.

