

Europe Passenger Cars Sales by Fuel (3Q2022)

Sales of New Electric Cars in Europe rose 4.02% in 3Q2022

Sales of new electrically-chargeable passenger cars reached 555 thousand in the third quarter of 2022 in Europe, according to ACEA. Share of electric chargeable vehicles increased to 23.2% of all new passenger cars sold in 3Q2022, up from 22.4% seen in the third quarter of 2021.

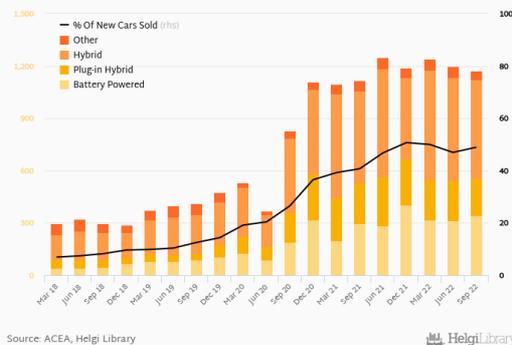
- ✓ Most electric vehicles (182 thousand) were sold in Germany (up 10.1% yoy), followed by the United Kingdom (83.1 thousand, up 3.72%), France with 73.4 thousand cars (up 13.8%), 30.6 thousand new vehicles were registered in Sweden (up 9.74%) and 29.7 thousand in Norway (down 25.3%).
- ✓ In relative terms, Norway liked the electric chargeable vehicles the most with 86.7% of all new passenger cars sold followed by Iceland (51.0%) and Sweden (50.6%).
- ✓ Altogether, sale of alternative powered vehicles, including chargeable, hybrid and other alternative fuels vehicles (fuelled by NGV, LPG, or ethanol), accounted for 48.9% of new cars sold in the third quarter of 2022.
- ✓ Sales of traditionally-powered vehicles using petrol and diesel reached 1,223 thousand in the third quarter of 2022. The share of petrol reached 36.5% and share of diesel-powered vehicles 14.6% of all new passenger cars sold in 3Q2022.

Country	Sep 2022	Yoy Change
Germany	182	10.1%
UK	83.1	3.72%
France	73.4	13.8%
Sweden	30.6	9.74%
Norway	29.7	-25.3%
Netherlands	24.4	15.5%
Italy	22.7	-28.9%
Belgium	21.7	25.0%
Spain	17.3	5.41%
Denmark	13.8	-20.0%
Switzerland	12.8	-5.94%
Austria	12.5	2.62%
Ireland	8.54	26.0%
Portugal	8.26	20.4%
Finland	7.60	20.8%
Poland	5.57	42.8%
Romania	3.26	213%
Hungary	2.31	2.08%
Luxembourg	2.30	9.44%
Iceland	1.94	-3.44%

Data tells a story

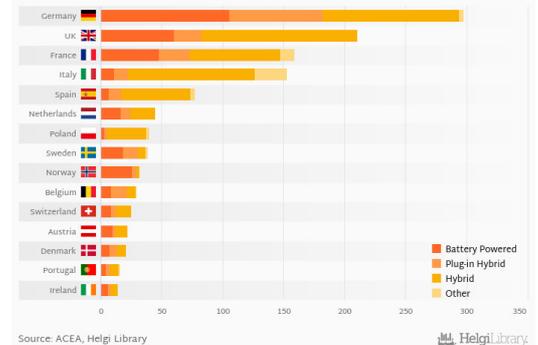
Sales of Alternately Powered Vehicles

Number of Vehicles (thousand), 3Q2022, Europe



Sales of Alternately Powered Vehicles

Number of Vehicles (thousand), 3Q2022, Europe





Sales of New Electric Cars in Europe rose 4.02% in 3Q2022

Sales of electrically-chargeable vehicles amounted to 555 thousand in 3Q2022, 21.5 thousand more than the last year.

Electric cars represented 23.2% of all new cars sold in 3Q2022, up from 22.4% a year ago.

Most electric vehicles have been sold in Germany (182 thousand), while Cyprus registered the biggest increase in sales when compared to last year.

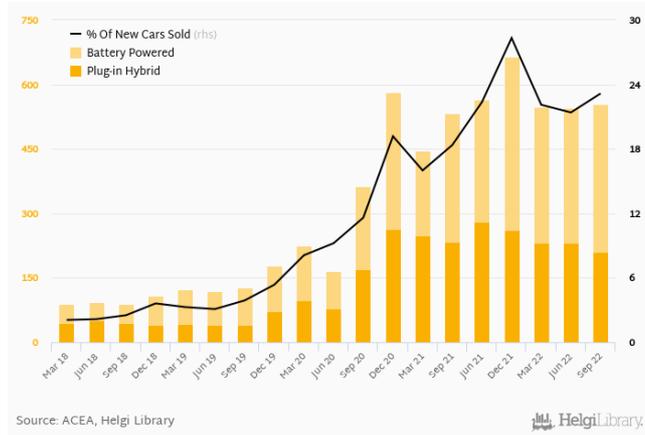
Electric Chargeable Cars

Sales of new electrically-chargeable passenger cars (battery electric and plug-in hybrid electric vehicles) reached 555 thousand in the third quarter of 2022 in the enlarged Europe (EU plus Iceland, Norway and Switzerland), according to ACEA. This is 4.02% more, or 533 thousand more than in the previous year.

Share of electric chargeable vehicles increased to 23.2% of all new passenger cars sold in 3Q2022, up from 22.4% seen in the third quarter of 2021. Most electric vehicles (182 thousand) were sold in Germany (up 10.1% yoy), followed by the United Kingdom (83.1 thousand, up 3.72%), France with 73.4 thousand cars (up 13.8%), 30.6 thousand new vehicles were registered in Sweden (up 9.74%) and 29.7 thousand in Norway (down 25.3%).

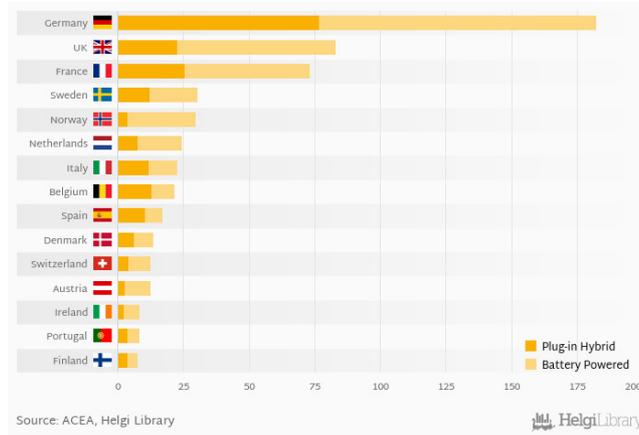
Sale of Electric Chargeable Vehicles in Europe

Number of Vehicles (thousand), 3Q2022



Sales of Electric Chargeable Vehicles in Europe by Country

Number of Vehicles (thousand), 3Q2022



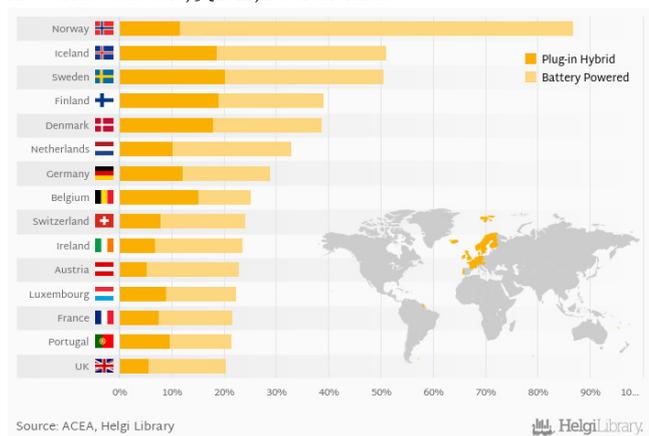
As partly seen above, the sale of battery-electric (BEV) increased by 14.9% when compared to last year, while registration of plug-in hybrid vehicles (PHEV) fell by 9.92%.



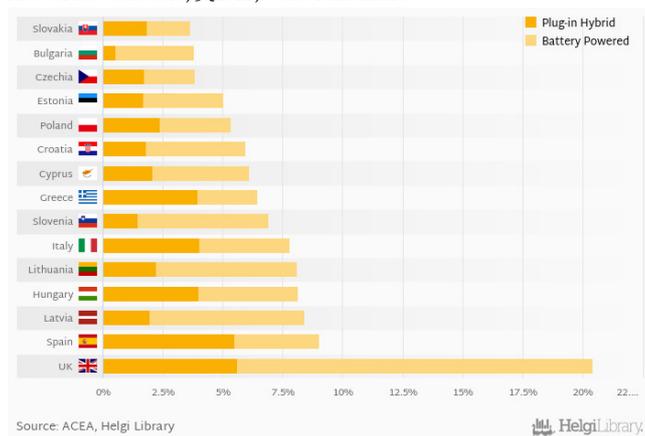
In relative terms, Norway liked the electric chargeable vehicles the most in the third quarter of 2022 with 86.7% of all new passenger cars sold followed by Iceland (51.0%) and Sweden (50.6%).

On the other end of the scale was Czechia with only 3.86%, Bulgaria with 3.81% and Slovakia with just 3.63% of electric cars sold, as % of total:

Sales of Electric Chargeable Vehicles in Europe by Country
As % Of New Cars Sold, 3Q2022, Best Performers



Sales of Electric Chargeable Vehicles in Europe by Country
As % Of New Cars Sold, 3Q2022, Worst Performers



Hybrid Electric and Other Alternately-Powered Cars

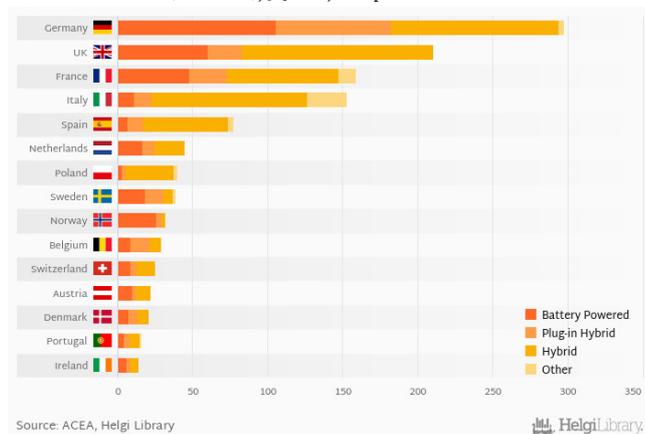
When hybrid electric vehicles (cars that combine a conventional internal combustion engine system with an electric propulsion system) and other alternately-powered cars (such as natural gas vehicles (NGV), LPG-fueled vehicles and ethanol (E85) vehicles) are included, total sales of alternately-powered cars (other than using diesel or petrol) amounted to 1,172 thousand vehicles in the third quarter of 2022. This is 5.02% more, or 56 thousand more than in the previous year.

Together with electric chargeable vehicles, the share of total alternately-powered vehicles increased to 48.9% of all new passenger cars sold in 3Q2022, up from 46.8% seen in the third quarter of 2021:

Sales of Alternately Powered Vehicles
Number of Vehicles (thousand), 3Q2022, Europe



Sales of Alternately Powered Vehicles
Number of Vehicles (thousand), 3Q2022, Europe

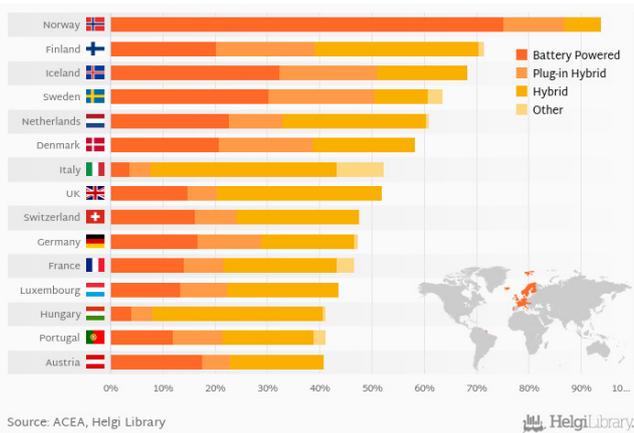




In relative terms, Norway liked the alternatively-powered vehicles the most in the third quarter of 2022 with 93.8% of all new passenger cars sold followed by Finland (71.4%) and Iceland (68.2%). On the other hand, alternatively-fuelled cars represented only 22.7% of all cars sold in Slovenia, 20.7% in Czechia and 6.28% in Bulgaria, according to ACEA.

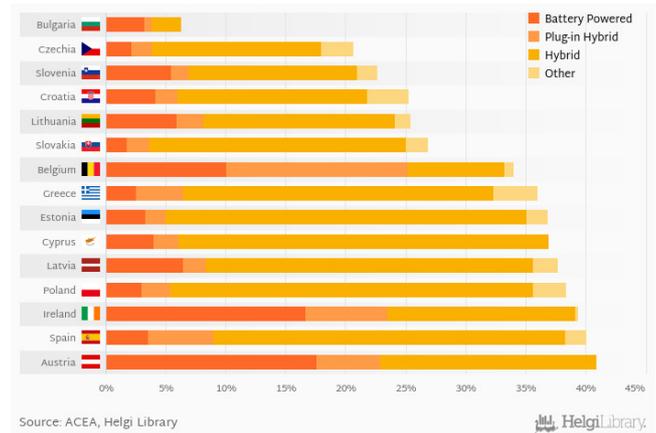
Sales of Alternatively-powered Vehicles in Europe by Country

As % of New Cars Sold, 3Q2022, Best Performers



Sales of Alternatively-powered Vehicles in Europe by Country

As % of New Cars Sold, 3Q2022, Worst Performers



Petrol and Diesel-Powered Cars

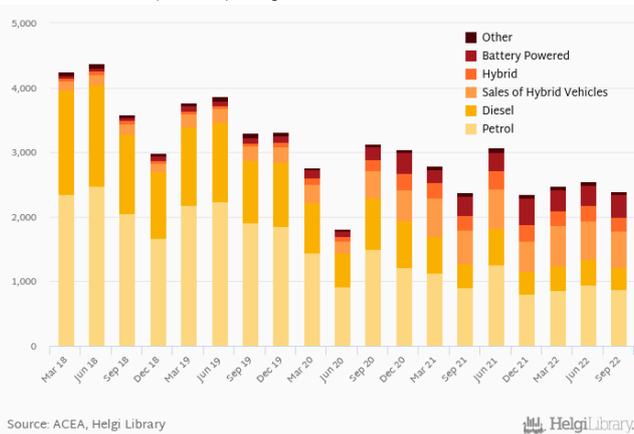
Sales of traditionally-powered vehicles using petrol and diesel reached 1,223 thousand in the third quarter of 2022 in the enlarged Europe, according to ACEA. This is 3.63%, or 46.0 thousand fewer than in the previous year.

Some 873 thousand petrol-powered vehicles were sold, down 3.03% when compared to a year ago. The share decreased to 36.5% of all new passenger cars sold in 3Q2022, down from 37.8% seen in the third quarter of 2021. Share of diesel-powered cars fell to 14.6% (from 15.4% in 3Q2021) with 350 thousand cars sold in the third quarter of 2022.

As a result, share of traditionally-powered cars amounted to 51.1% of all new passenger cars sold in 3Q2022, down from 53.2% seen in the third quarter of 2021.

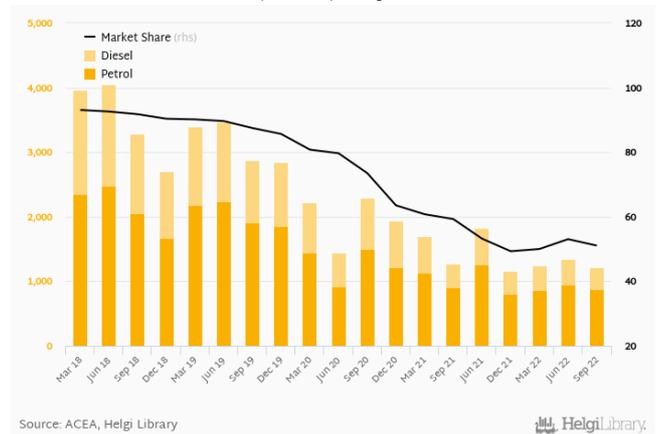
Sales of Vehicles in the EU by Power

Number of Vehicles, 3Q2022, Europe



Sales of Traditionally-Powered Vehicles in the EU

Number of Vehicles (thousand), 3Q2022, Europe

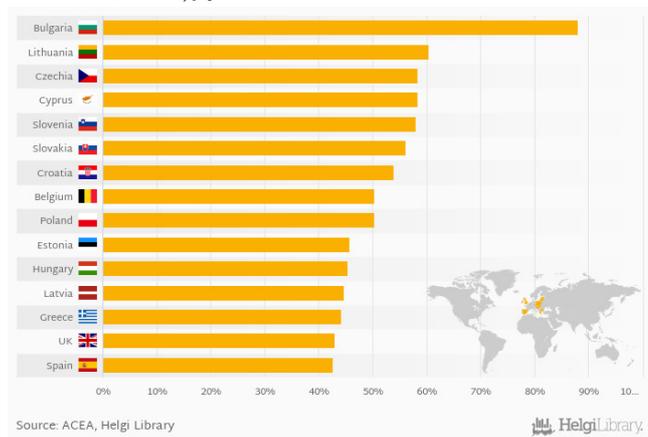




In relative terms, Bulgaria liked the petrol-fuelled vehicles the most in the third quarter of 2022 with 88.1% of all new passenger cars sold followed by Lithuania (60.5%) and Czechia (58.4%). On the other hand, diesel-powered cars were preferred most in Ireland (27.2% of all cars sold), followed by Austria (with 23.7%) and Luxembourg (21.7%).

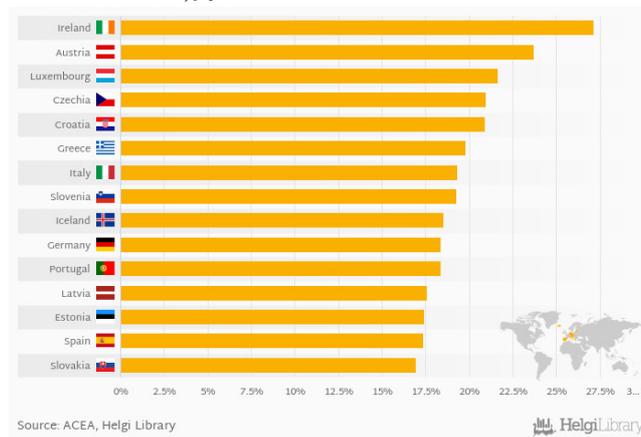
Sales of Petrol-fuelled Vehicles in Europe by Country

As % of New Cars Sold, 3Q2022



Sales of Diesel-fuelled Vehicles in Europe by Country

As % of New Cars Sold, 3Q2022





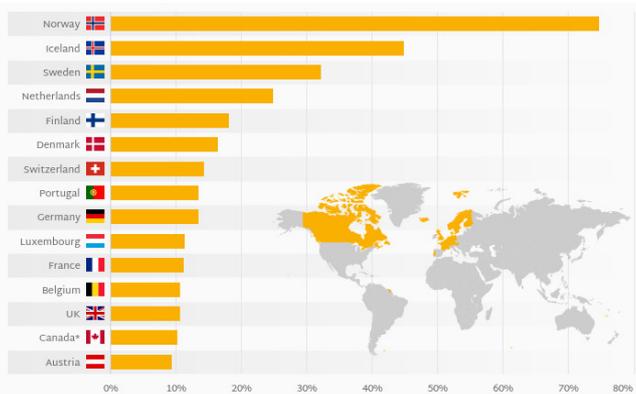
Relative and Absolute Sales of Cars by Power

The following charts show where the most cars are sold absolutely and relatively in Europe and elsewhere in the world:

1. Electric Passenger Cars

Which Country Loves Electric Cars the Most?

Electric vehicles (%), 2020

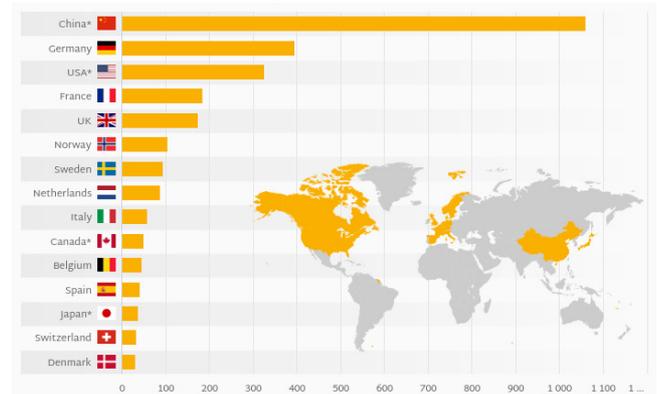


Source: National Statistical Office, * Data from 2019



Which Country Sells the Most Electric Cars?

Sales Of Electric Cars (thousand), 2020



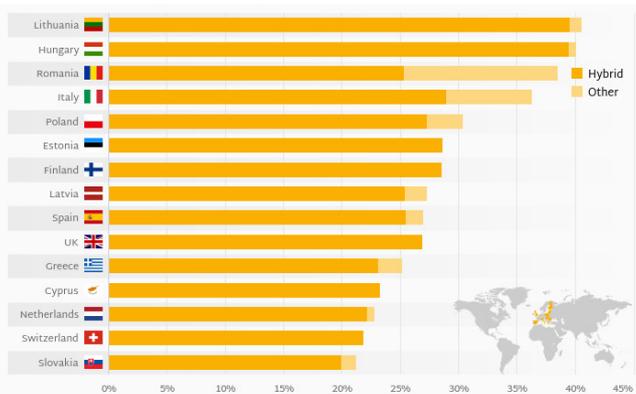
Source: National Statistical Office, * Data from 2019



2. Alternative Fuelled Passenger Cars (LPG, CNG)

Which Country Loves Alternative Cars the Most?

As % of New Passenger Cars Sold, 2021

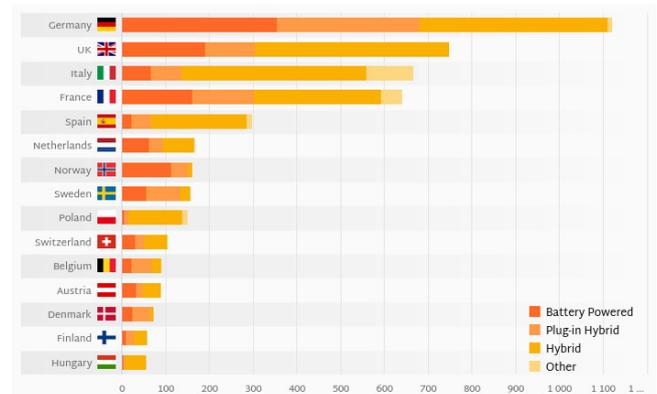


Source: ACEA, Helgi Library



Sales of Alternately Powered Vehicles

Number of Vehicles (thousand), 2021



Source: ACEA, Helgi Library

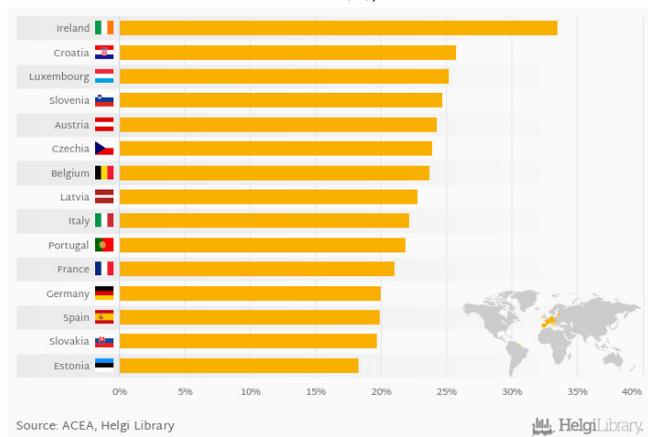




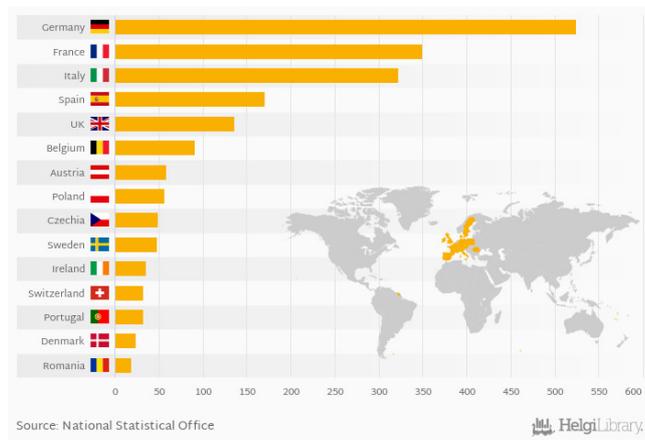
3. Diesel Fuelled Passenger Cars

Who Likes Diesel-fuelled Cars the Most?

Diesel-Fuelled Cars as % of New Cars Sold (%), 2021



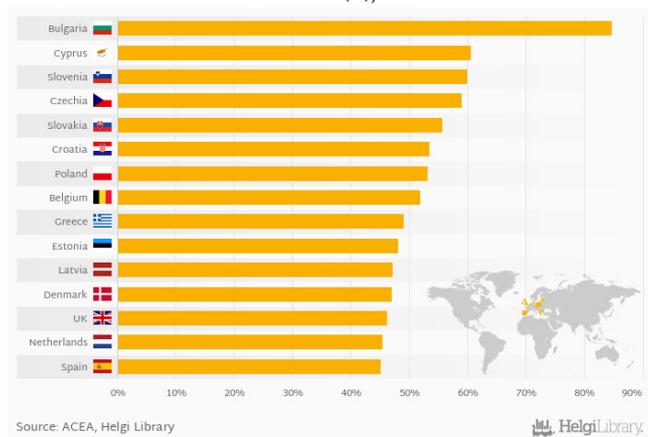
TOP 15



4. Petrol Fuelled Passenger Cars

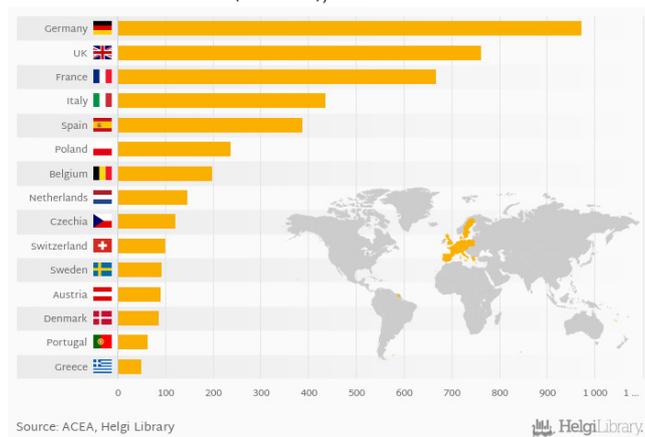
Who Likes Petrol-Fuelled Cars the Most?

Petrol-Fuelled Cars as % of New Cars Sold (%), 2021



Which Country Sells the Most Petrol-Fuelled Cars?

Sales of Petrol-Fuelled Cars (thousand), 2021





Sales of Electric Chargeable Passenger Cars in Europe (thousands of vehicles)

COUNTRY	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022
Austria	10.2	10.3	12.9	12.2	12.5	10.4	10.7	12.5
Belgium	19.9	16.8	18.4	17.4	17.9	24.9	22.4	21.7
Bulgaria	...	0.086	0.142	0.151	0.150	0.184	0.342	0.283
Croatia	0.330	0.201	0.352	0.460	0.861	0.457	0.366	0.719
Cyprus	0.020	0.055	0.049	0.048	0.028	0.101	0.169	0.179
Czechia	2.33	1.53	1.96	1.36	1.70	1.54	2.05	1.73
Denmark	14.1	10.5	15.3	17.2	22.4	11.5	13.3	13.8
Estonia	0.172	0.139	0.238	0.167	0.148	0.254	0.344	0.256
Finland	5.20	7.24	8.87	6.29	7.89	7.47	7.18	7.60
France	74.8	61.7	82.6	64.5	94.4	72.8	83.3	73.4
Germany	190	143	170	166	204	152	155	182
Greece	1.25	1.30	1.91	1.60	2.16	1.78	2.31	1.82
Hungary	2.53	1.48	1.79	2.26	3.02	2.54	2.16	2.31
Iceland	1.23	1.08	1.60	2.01	2.30	2.12	2.74	1.94
Ireland	0.553	5.55	2.95	6.78	1.27	10.2	3.20	8.54
Italy	29.9	29.8	38.6	31.9	37.2	30.9	33.8	22.7
Latvia	0.104	0.097	0.170	0.128	0.174	0.212	0.333	0.381
Lithuania	0.125	0.122	0.343	0.386	0.572	0.490	0.471	0.535
Luxembourg	2.17	2.27	2.21	2.10	2.52	2.68	2.53	2.30
Netherlands	49.9	12.2	19.9	21.2	41.8	22.4	25.9	24.4
Norway	38.2	29.8	39.6	39.8	42.8	29.1	31.4	29.7
Poland	3.54	2.93	4.01	3.90	5.61	4.73	5.08	5.57
Portugal	7.55	4.98	7.57	6.86	9.51	7.62	7.60	8.26
Romania	1.44	0.415	0.459	1.04	5.34	2.11	2.35	3.26
Slovakia	0.376	0.397	0.595	0.553	0.726	0.666	0.718	0.659
Slovenia	0.664	0.364	0.406	0.509	0.640	0.729	0.618	0.752
Spain	20.1	10.6	17.8	16.5	22.1	17.7	20.4	17.3
Sweden	37.5	32.4	36.8	27.9	38.3	37.4	37.4	30.6
Switzerland	14.7	9.07	13.6	13.6	13.8	13.8	13.6	12.8
UK	66.2	58.4	73.7	80.1	93.1	93.9	72.6	83.1
EU	584	447	564	533	666	548	545	555

Source: ACEA, Helgi Library



Sales of Hybrid Passenger Cars in Europe (thousands of vehicles)

COUNTRY	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022
Austria	9.29	10.2	12.4	10.3	9.14	9.74	11.0	9.83
Belgium	2.88	66.7	5.29	4.96	4.01	54.5	7.04	6.94
Bulgaria	0.114	0.151	0.173	0.169	0.150	0.201	0.182	0.184
Croatia	0.721	1.37	2.02	1.67	1.38	2.09	2.48	1.91
Cyprus	0.364	0.500	0.735	0.678	0.562	0.824	0.976	0.906
Czechia	4.95	5.40	7.62	6.25	6.18	6.65	7.93	6.35
Denmark	3.05	7.45	9.53	8.03	1.88	7.74	7.70	6.98
Estonia	0.759	1.44	1.72	1.68	1.23	1.92	1.63	1.54
Finland	5.32	8.17	8.11	6.69	5.15	7.12	7.05	6.06
France	59.1	70.8	82.4	63.9	72.8	75.8	88.3	73.9
Germany	121	101	120	113	95.1	122	112	111
Greece	3.79	5.06	7.32	5.90	5.11	6.19	9.33	7.27
Hungary	11.8	12.9	12.6	11.6	11.0	11.6	10.4	9.22
Iceland	0.223	0.331	0.926	0.713	0.302	0.459	1.39	0.654
Ireland	0.308	9.21	2.70	6.60	0.739	12.7	2.49	5.66
Italy	96.7	120	123	85.8	93.8	113	111	104
Latvia	0.518	0.792	1.10	1.08	0.678	0.978	0.985	1.24
Lithuania	2.18	0.775	1.52	1.24	1.59	1.38	1.26	1.06
Luxembourg	1.15	1.77	2.16	1.84	1.46	2.01	1.76	2.18
Netherlands	15.5	19.2	18.9	19.9	16.1	21.5	18.1	20.3
Norway	3.55	2.57	3.42	2.06	1.73	1.18	2.07	2.42
Poland	25.9	30.8	34.9	33.3	28.4	33.1	37.5	31.6
Portugal	4.64	4.13	6.39	4.15	4.42	5.90	5.93	6.64
Romania	5.67	5.52	6.96	10.4	7.88	7.90	8.54	9.24
Slovakia	2.64	2.61	4.64	4.23	3.68	4.44	4.27	3.89
Slovenia	0.416	1.31	1.72	1.55	1.46	1.72	1.71	1.53
Spain	51.0	41.0	66.8	50.6	61.0	46.7	68.6	56.4
Sweden	7.15	6.14	7.02	4.72	4.32	6.12	6.81	6.19
Switzerland	12.5	11.6	14.1	13.1	13.4	13.4	14.1	12.5
UK	84.4	109	133	123	78.8	122	116	128
EU	482	595	622	526	469	627	591	566

Source: ACEA, Helgi Library



Sales of Alternately-Powered Passenger Cars Other Than Electric in Europe (thousands of vehicles)

COUNTRY	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022
Austria	0.012	0.025	0.036	0.018	0.007	0.034	0.010	0.008
Belgium	0.193	0.388	0.894	0.721	0.629	0.144	0.720	0.640
Bulgaria	0.001	0.012	0	0	0.023	0.004	0	0
Croatia	0.324	0.327	0.581	0.579	0.510	0.378	0.764	0.412
Cyprus	0	0	0.001	0.001	0	0	0	0.001
Czechia	0.592	0.497	0.913	0.847	0.856	1.28	1.18	1.20
Denmark	0	0	0	0	0	0	0	0
Estonia	0	0.188	0.095	0.121	0.062	0.102	0.061	0.091
Finland	0	0.307	0.275	0.193	0.146	0.135	0.072	0.210
France	5.89	9.42	12.8	13.6	13.2	16.5	15.6	11.6
Germany	3.27	2.52	3.72	3.27	4.56	5.72	2.92	4.28
Greece	0.295	0.533	0.884	0.986	0.991	0.869	0.846	1.05
Hungary	0.140	0.206	0.072	0.210	0.239	0.231	0.304	0.172
Iceland	0.001	0.001	0.001	0.001	0.004	0	0	0
Ireland	0	0.024	0.091	0.179	0.017	0.573	0.066	0.081
Italy	29.7	36.5	40.8	31.3	29.7	34.5	32.6	26.3
Latvia	0.058	0.043	0.075	0.086	0.077	0.092	0.068	0.094
Lithuania	0.051	0.050	0.076	0.102	0.090	0.122	0.064	0.083
Luxembourg	0	0	0.001	0.002	0	0.002	0	0
Netherlands	0.732	0.399	0.584	0.566	0.718	0.568	0.595	0.400
Norway	0	0	0	0	0	0	0	0
Poland	4.82	3.06	3.11	3.31	4.05	3.84	2.60	2.83
Portugal	0.907	0.435	0.734	0.965	1.42	0.914	1.43	0.885
Romania	5.25	1.67	2.91	6.85	4.52	3.32	3.12	3.40
Slovakia	0.193	0.217	0.303	0.357	0.311	0.473	0.407	0.333
Slovenia	0.076	0.123	0.160	0.144	0.145	0.171	0.236	0.191
Spain	4.24	2.56	3.10	4.28	4.10	3.02	4.70	3.39
Sweden	0	0.404	0.679	0.840	0.725	0.933	0.746	1.69
Switzerland	0	0.066	0.085	0.041	0.097	0.032	0.026	0.032
UK	0	0	0	0	0	0	0	0
EU	45.2	53.5	64.7	57.0	56.3	64.0	60.4	50.6

Source: ACEA, Helgi Library



Sales of Diesel-fuelled Passenger Cars in Europe (thousands of vehicles)

COUNTRY	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022
Austria	22.5	16.3	17.8	12.3	11.9	11.9	12.2	13.0
Belgium	33.2	6.12	27.4	16.9	14.5	3.55	15.8	13.4
Bulgaria	0.677	0.573	0.550	0.447	0.774	0.507	0.464	0.420
Croatia	2.77	3.09	3.99	2.83	1.67	2.17	2.57	2.52
Cyprus	0.624	0.511	0.386	0.354	0.279	0.198	0.145	0.138
Czechia	16.3	13.6	14.1	9.14	10.5	10.9	11.6	9.42
Denmark	12.6	5.59	5.82	3.19	4.72	2.29	2.76	2.40
Estonia	1.23	1.42	1.50	0.737	0.580	0.825	0.948	0.889
Finland	2.68	2.61	2.62	1.88	1.28	1.44	1.61	1.22
France	142	108	105	64.0	73.0	60.2	69.8	52.3
Germany	210	158	156	112	97.8	126	120	116
Greece	6.37	5.05	5.85	3.69	2.97	3.44	4.28	5.57
Hungary	8.17	6.00	5.57	4.25	3.20	3.27	4.05	3.79
Iceland	0.300	0.332	0.600	0.366	0.275	0.350	0.971	0.704
Ireland	1.86	17.6	5.43	11.0	1.08	12.9	4.63	9.85
Italy	117	112	99.1	58.4	53.5	68.1	69.6	56.4
Latvia	1.07	1.07	0.863	0.758	0.586	0.658	0.632	0.797
Lithuania	2.75	1.16	1.65	1.14	0.724	1.07	0.975	0.934
Luxembourg	3.89	3.77	3.26	2.09	2.08	2.67	2.38	2.22
Netherlands	1.69	2.16	2.39	1.47	0.898	1.43	1.53	0.875
Norway	2.37	2.09	2.20	1.36	1.44	1.01	1.29	1.26
Poland	24.4	17.0	16.3	10.9	11.4	9.70	13.3	11.7
Portugal	12.2	8.16	10.9	6.05	6.91	6.75	7.13	7.04
Romania	11.0	4.93	5.35	6.19	3.93	3.99	3.98	4.38
Slovakia	5.06	4.04	4.38	3.53	2.96	3.11	3.34	3.08
Slovenia	3.54	4.81	3.84	2.53	2.14	2.25	2.69	2.11
Spain	70.0	42.8	53.0	34.9	40.5	29.6	42.4	33.4
Sweden	16.0	19.5	12.9	7.73	8.19	8.89	10.6	6.83
Switzerland	14.2	9.36	10.0	6.49	6.55	6.39	7.05	6.42
UK	52.7	48.6	44.5	24.5	18.2	23.7	22.3	21.0
EU	722	568	565	368	346	371	396	350

Source: ACEA, Helgi Library



Sales of Petrol-fuelled Passenger Cars in Europe (thousands of vehicles)

COUNTRY	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022
Austria	26.0	26.6	27.7	20.8	16.4	20.4	22.4	19.3
Belgium	41.0	29.2	61.1	41.2	32.5	20.1	46.3	43.4
Bulgaria	4.44	4.75	6.47	5.35	4.84	5.78	6.89	6.55
Croatia	3.79	5.50	8.86	5.93	3.75	4.90	7.37	6.49
Cyprus	1.43	1.68	1.88	1.71	1.17	1.94	1.78	1.71
Czechia	30.2	28.5	38.7	31.4	25.8	27.0	28.7	26.2
Denmark	26.3	20.3	21.9	15.0	16.4	12.7	15.6	12.4
Estonia	2.21	2.54	3.72	2.89	1.78	2.09	2.93	2.33
Finland	9.60	9.65	8.89	6.87	5.35	5.57	5.85	4.33
France	201	192	198	132	145	140	150	129
Germany	350	252	285	232	203	221	223	216
Greece	8.93	11.5	19.0	11.2	7.93	10.2	15.6	12.4
Hungary	15.3	11.6	12.5	11.4	9.95	11.0	11.8	12.9
Iceland	0.348	0.347	0.824	0.676	0.112	0.288	0.950	0.502
Ireland	1.09	15.6	4.66	12.4	1.09	13.5	4.90	12.1
Italy	133	149	137	73.3	78.1	92.2	98.8	82.8
Latvia	1.36	1.54	2.06	1.94	1.24	1.75	2.46	2.03
Lithuania	6.87	5.55	7.46	4.79	2.12	3.44	4.73	3.99
Luxembourg	3.94	4.66	5.21	3.69	3.30	3.99	3.79	3.56
Netherlands	40.3	46.6	40.4	32.4	27.5	32.6	29.2	28.1
Norway	1.96	1.85	2.41	1.75	1.47	1.01	1.41	0.861
Poland	74.5	64.1	65.9	53.8	49.9	50.6	51.8	52.5
Portugal	14.5	13.3	24.8	13.1	11.9	13.6	18.6	15.5
Romania	18.4	8.23	11.3	16.1	12.2	11.7	11.7	16.1
Slovakia	12.0	8.14	13.1	11.6	9.31	10.5	12.0	10.2
Slovenia	5.77	9.68	8.72	7.45	6.51	7.89	7.85	6.33
Spain	110	89.1	130	84.8	83.9	67.4	107	82.0
Sweden	27.8	32.4	24.9	18.1	17.1	16.4	18.9	15.2
Switzerland	31.8	26.4	30.2	22.3	21.0	20.6	20.5	21.3
UK	184	209	233	179	141	178	173	175
EU	1,212	1,130	1,256	901	813	869	956	873

Source: ACEA, Helgi Library



ABOUT HELGI ANALYTICS

Helgi Analytics is a consulting company based in the Czech Republic. The company mainly provides consultancy in the area of financial services and real estate and focuses primarily on the region of Central and Eastern Europe.

Helgi Analytics also runs a web application called Helgi Library, which is a database/library offering data and analyses on more than 99% of the world's economy and population. The Library aims to bring interesting statistical data and analyses to a wide audience under affordable conditions. If you wish to get more details, please visit www.helgilibrary.com or contact us at info@helgilibrary.com.

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