BIP AutObserver

Analysis of new car registrations

October 2022

Executive Summary

Analysis of new car registrations in Europe & Italy – October 2022

Europe*

+14,1%

Top Countries by growth of new registrations: 25 countries grew in October 2022 compared to October 2021, the highest rates for Latvia (+61,1%), Bulgaria (+32,3%) and Slovakia (+30,5%). On a YTD base only 9 countries grew, double-digit increase for Iceland (+31,6%), Bulgaria (+16,9%) and Latvia (+12,5%)

Top 3 Countries by market share: Germany 22,0% (+0,6 p.p.), United Kingdom 14,3% (+0,3 p.p.) and France 13,8% (-0,4 p.p.) in October 2022 YTD compared to October 2021 YTD.

Brands: among the **Top 15 by volume**, highest growth in October 2022 respect to October 2021 for Audi (+59,0%), Skoda (+47,5%) and Toyota (+46,2%). Considering YTD only Dacia (+16,6%), Kia (+8,8%), Toyota (+4,3%) and Hyundai (+1,9%) registered an increase

Premium brands: Audi** (+59,0%), **BMW** (+5,8%) and **Mercedes-Benz** (+1,9%) **grew** in October 2022. All 3 brands dropped on a YTD base

Italy

+14,6%

Areas monthly results: North-East +11,1%, North-West +24,7%, Center +15,5%, South +1,5% and Islands 4,3%, comparing October 2022 with October 2021

Customer segments: Retail +1,3%, Fleet +59,3% and Business +13,2% October 2022 vs October 2021. The Retail segment reversed the negative result registered in September

Brands: considering YTD results, among the **Top 15 by volume** Dacia and Toyota grew (+9,0% and +3,4% respectively); all the other brands registered a drop, the highest for Jeep (-24,1%) and Renault (-23,0%)

Premium brands: Audi** (+82,1%), **BMW** (25,4%) and **Mercedes-Benz** (+21,5%) **registered an increase** in October 2022 compared to October 2021. On a YTD base BMW, Audi and Mercedes-Benz fell slightly less than the overall market (respectively -12,6%, -9,1% and -9,3% vs -13,8%)

Source: ACEA; UNRAE

(*) EU (26 Countries) + EFTA Countries (Iceland, Norway, Switzerland) + UK

(**) Considering only Premium brands in the top 15 by volume

01. Europe

| Market overview
| New car registrations by brands

02. Italy

03. New car models launches in Italy

04. News on key industry trends

Europe | *Market Overview*

Top 10 European Markets* – October 2022

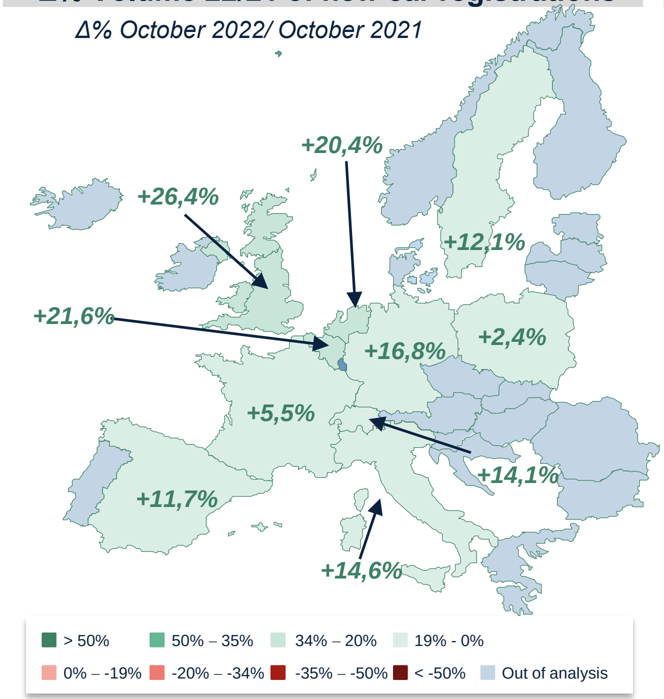
European Markets*
new car registrations

2021	798.505
2022	910.753

+14,1%

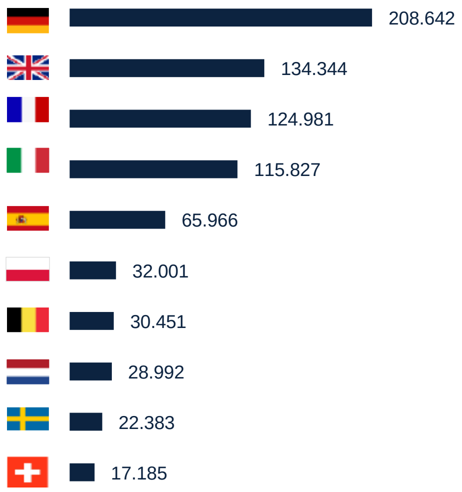
Δ% Volume 22/21 of new car registrations

Δ% October 2022/ October 2021



Number of EU new car registrations 2022

New car registration October 2022



Highlights

- The European market (EU+UK+EFTA) had an increase in **registrations** from 798.505 in October 2021 to 910.753 cars in October 2022.
- In line with the two previous months the **EU car market confirmed an overall increase in registrations** compared to the other months of 2022.
- The **highest rates** among the top 10 markets for:
  - United Kingdom (+26,4%)
  - Belgium (+21,6%)
  - Netherlands (+20,4%)
- Compared to September, **Sweden reversed the negative result** from -2,6% in new cars registration to +12,1%

Source: ACEA

(*) EU (26 Countries) + EFTA Countries (Iceland, Norway, Switzerland) + UK

Europe | *Market Overview*

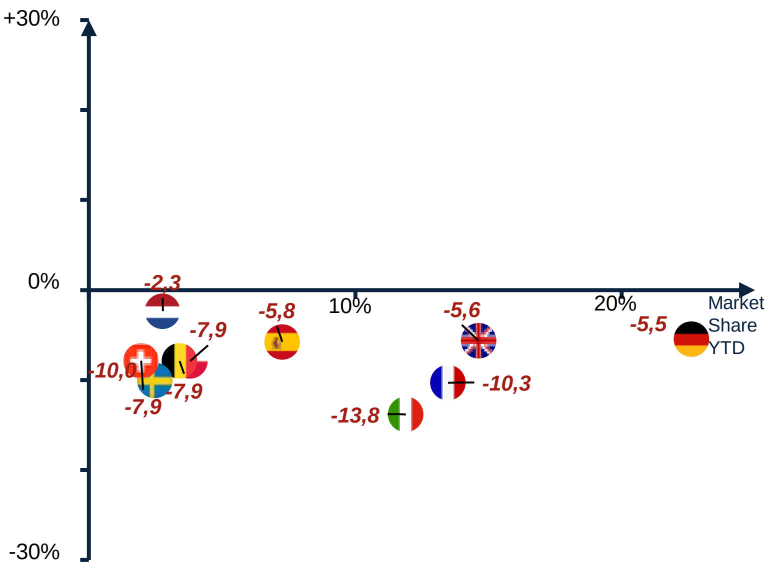
Top 10 European Markets* – October 2022 YTD

European Markets* new car registrations

2021	9.960.682
2022	9.181.660

-7,8%

Highlights - ∆% Volume 22/21 & Market Share (MS)



#	Country	MS October 2022 YTD	∆ VS 2021	Sales Volume October 2022 YTD
1	GER	22,6%	-5,5%	2.076.527
2	UK	14,6%	-5,6%	1.342.712
3	FRA	13,5%	-10,3%	1.237.048
4	ITA	11,9%	-13,8%	1.091.894
5	SPA	7,3%	-5,8%	666.247
6	POL	3,8%	-7,9%	348.681
7	BEL	3,4%	-7,9%	311.941
8	NET	2,8%	-2,3%	253.764
9	SWE	2,5%	-10,0%	227.023
10	SWI	2,0%	-7,9%	179.791

Highlights

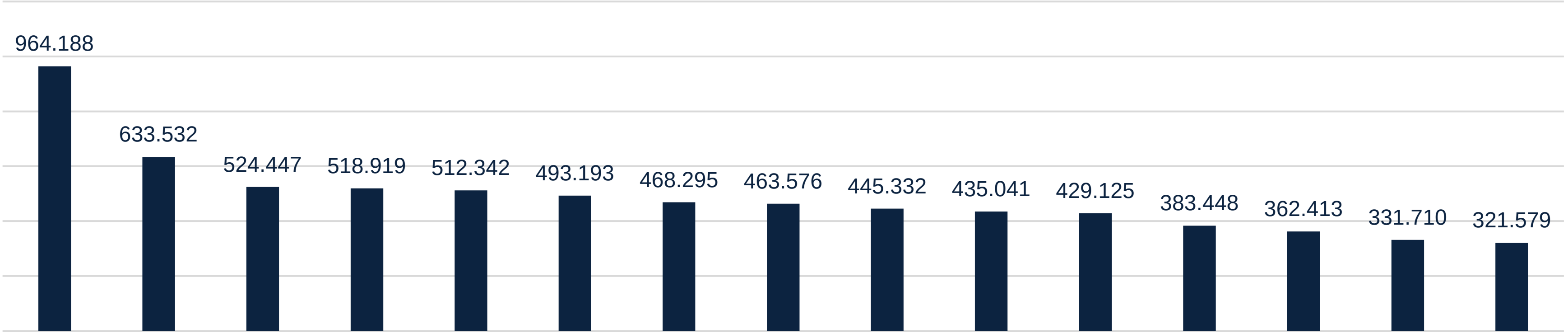
- Up to October 2022, **9.181.660 units** were registered in the European passenger cars market, with a **decrease of -7,8%** compared to the same period of 2021, **a smaller drop** compared to the results of the last two months
- An **increase** was registered only for 9 out of 30 countries (Iceland confirmed the highest increase with +31,6%), none of them in the top 10 for registrations. 21 countries registered a **decrease**; considering the top 10, double-digit drop for Italy (-13,8%), France (-10,3%) and Sweden (-10,0%)

Source: ACEA

(*) EU (26 Countries) + EFTA Countries (Iceland, Norway, Switzerland) + UK

Europe | *New car registrations by brand*

Top 15 – October 2022 YTD



∆ Vol. 22/21	-13,3%	+4,3%	-14,2%	-10,8%	-3,6%	-4,1%	+8,8%	-16,8%	-11,7%	+1,9%	-5,3%	+16,6%	-12,9%	-19,5%	-15,6%
MS '22	**10,5%**	**6,9%**	**5,7%**	**5,7%**	**5,6%**	**5,4%**	**5,1%**	**5,0%**	**4,9%**	**4,7%**	**4,7%**	**4,2%**	**3,9%**	**3,6%**	**3,5%**
∆ MS 22/21	-5,96%	+13,19%	-6,93%	-3,21%	+4,59%	+4,03%	+18,00%	-9,78%	-4,16%	+10,58%	+2,77%	+26,49%	-5,53%	-12,69%	-8,44%

Source: ACEA

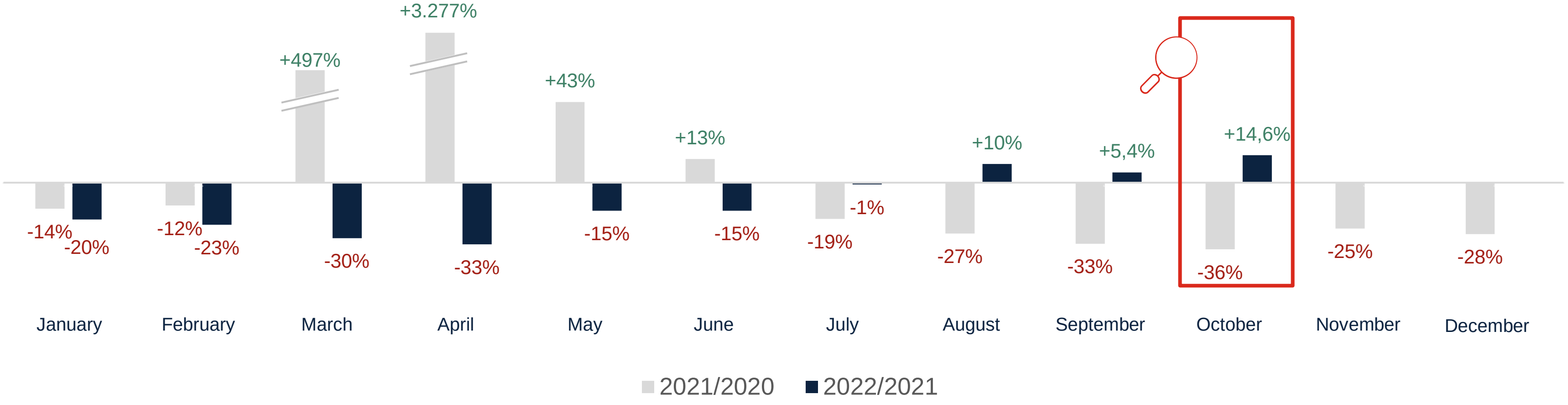
(*) Opel includes Vauxhall New Car Registrations

Italy | *Market Overview*

Italian Market – Variation of new car registrations 2022 vs 2021

October 2022 Highlights

October 2022 recorded the third consecutive monthly increase in **new registrations,** with 115.827 new cars, +14,6% compared to October 2021. A confirmation of **trend reversal** that began in August 2022, after 13 consecutive months of decline. **This growth is also linked to a recovery in production** compared to October 2021, month strongly affected by the production crisis. However, the three consecutive positive months are **not enough** to **compensate the YTD drop** and the delta in registrations with respect to 2021 will hardly be recovered before the end of the year. In fact, from January to October 2022, **1.091.894 cars were registered**, **-13,8%** compared to the same period of 2021 (and the gap with 2019, the year before the pandemic, is even greater, -32,8%).
Interesting result for **the fleet segment**, **increasing its market share on a YTD base** (+3,9 p.p. in comparison with 2021), trend that could improve in the coming months, considering that rental companies were included in the new incentives starting from 02.11.2022.
In October, **all geographical areas experienced an increase**, higher than last month; regarding powertrains Petrol and Diesel still grew in terms of Market Share while BEV registered a drop.



Source: UNRAE

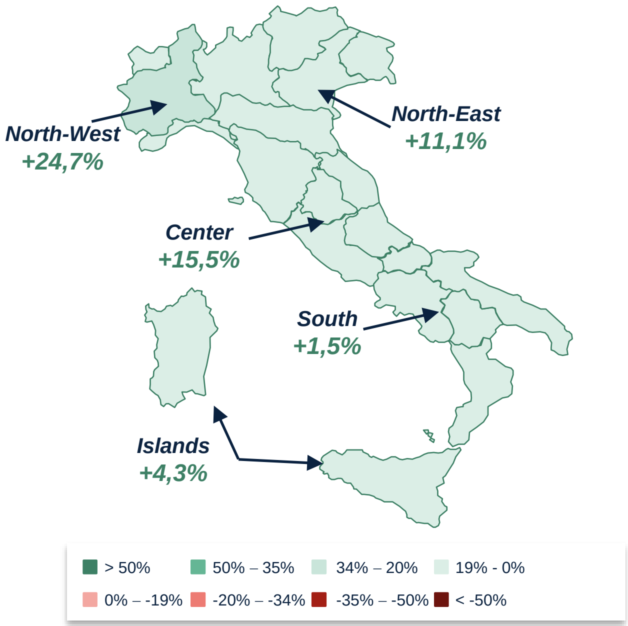
Italy | *Market Overview*

Italian Market – October 2022 vs October 2021

Italy New Car Registrations		
2021	101.103	+14,6%
2022	115.827	

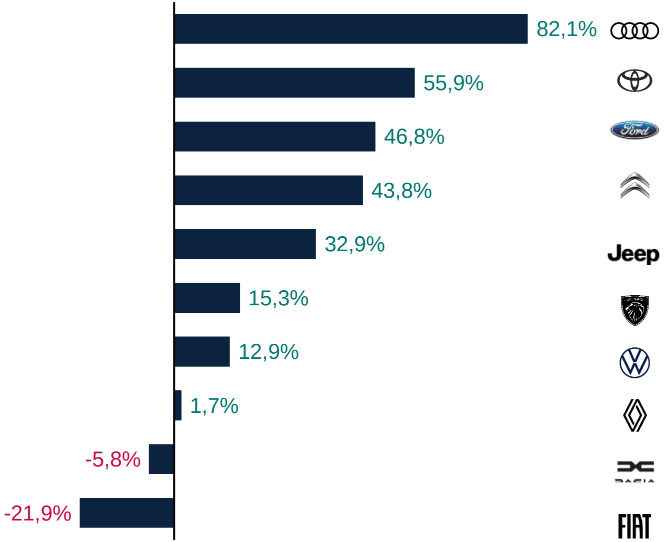
Δ% Volume 22/21 of New Car Registrations

Δ% October 2022/ October 2021



Growth of Top 10 Brands by Volumes

Δ% October 2022/ October 2021



Highlights

- In **October 2022**, the Italian market again registered a positive sign with an increase of +14,6% compared to October 2021.
- **High growth** for premium brand **Audi** (+82,1%), which confirmed its strongest growth in line with September 2022, and **Toyota** (+55,9%), which took second place. **Ford, Citroen and Jeep** came next with a significant increase of over +30,0%.
- Considering the top 10 brands by volume, only 2 out of 10 recorded a **drop**, with the worst performance for **Fiat** (-21,9%); a result that reversed the positive trend recorded in August and September after months of negative performance.
- Finally, **a positive result achieved by the Islands and South**, which in October reported the first positive increase of the year 2022.

Source: UNRAE

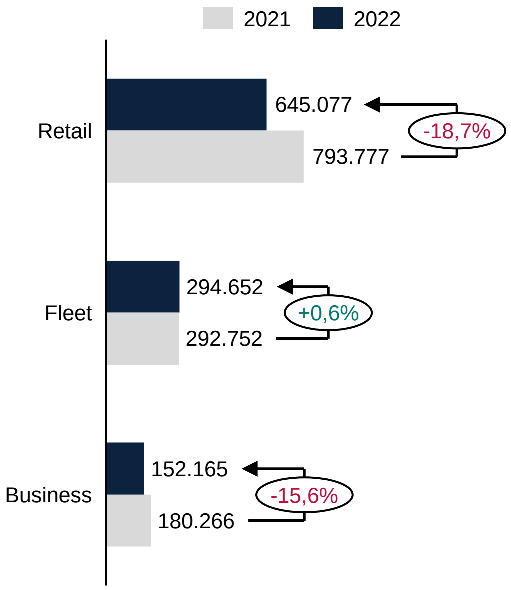
Italy | *Market Overview*

Italian Market – October 2022 YTD vs October 2021 YTD

Italy New Car Registrations (YTD)			
	2021	1.266.795	-13,8%
	2022	1.091.894	

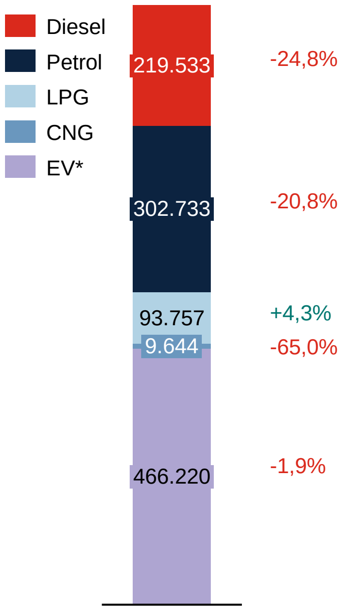
Analysis by "Customer Segment"

Registration YTD '22/'21



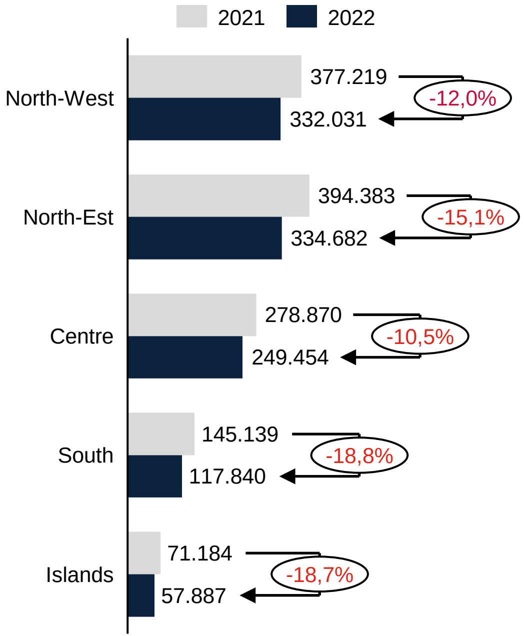
Analysis by "Fuel Type"

Registration YTD '22



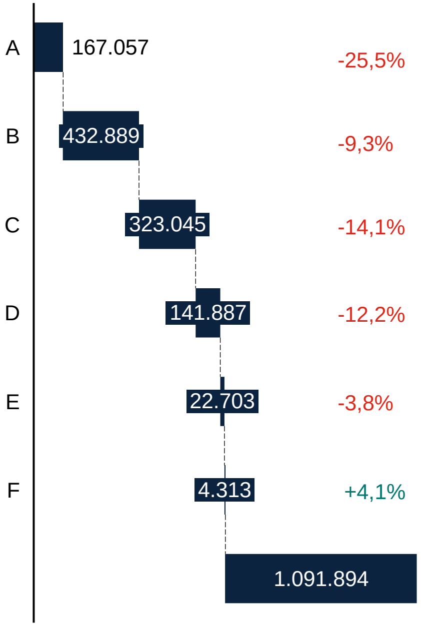
Analysis by "Geographical Area"

Registration YTD '22/'21



Analysis by "Car Segment"

Registration YTD '22/'21



Source: UNRAE

(*) EV: Electric Vehicle (Hybrid and Electric); CNG: Compressed Natural Gas (Methane and Ethanol)

Italy | *Market Highlights*

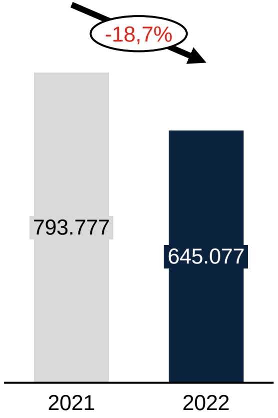
Italian Market – Distribution channels – October 2022 YTD vs October 2021 YTD

Italy New Car Registrations (YTD)			
	2021	1.266.795	-13,8%
	2022	1.091.894	

Retail (Private Customers)

MS: 59,1%

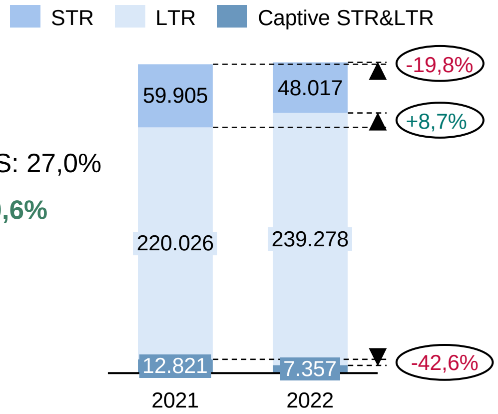
-18,7%



Fleet (LTR, STR and Captive LTR&STR*)

MS: 27,0%

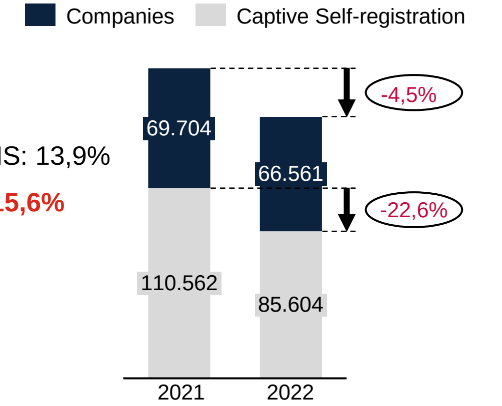
+0,6%



Business (Company registrations**)

MS: 13,9%

-15,6%



- Compared to **October 2021 YTD**, in **2022**, the **Retail** segment confirmed the decrease of 2022 with -18,7% (-148.700 units sold lost) and a further decrease in its YTD Market Share with respect to October 2021 (59,1% in October 2022 vs. 62,7% in October 2021, -3,6 p.p.)

- **Captive LTR&STR** (-42,6%) and **STR** (-19,8%) decreased in **October 2022 vs. 2021 YTD,** while **LTR** (+8,7%) registered a slight increase. The **Market share** of **Captive LTR&SRT** (0,7% in October 2022 YTD vs 1,0% in October 2021 YTD) and **SRT** (4,4% in 2022 vs 4,7% in 2021) also decreased, while **LTR** market share increased from 17,4% in October 2021 YTD to 21,9% in October 2022 YTD

- The decrease of the **Business segment** registrations in **October 2022** vs. **October 2021 YTD** was related **both** to the reduction of **Captive self-registrations** (-22,6% or 24.958 units less sold) and **Companies** registrations (-4,5% or 3.143 units less sold)

Market Share YTD increase / decrease October 2022 / October 2021 (YTD)

Δ% Volume October 2022 / October 2021 (YTD)

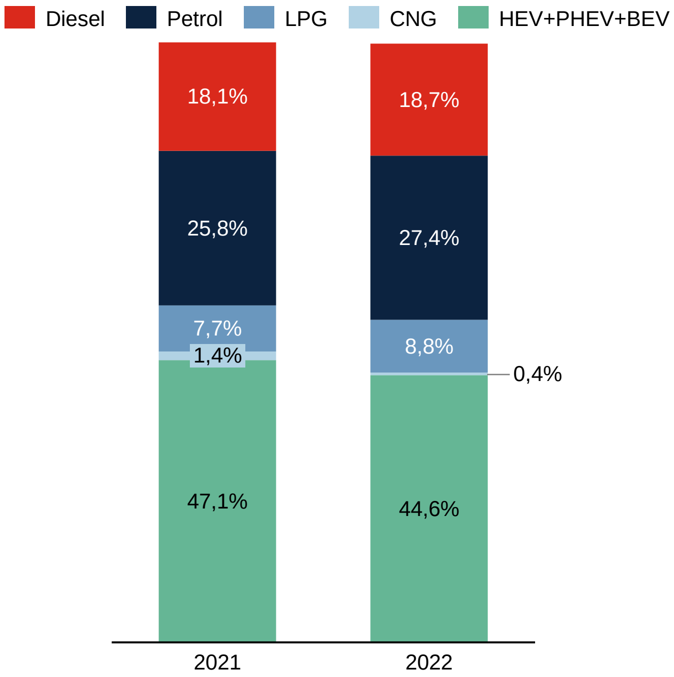
Source: UNRAE

(*) Self-registrations related to LTR&STR use made by Dealers and OEMs; (**) Including Dealers and OEMs self-registrations not related to LTR & STR

Italy | *Market Highlights*

Italian Market – October 2022 vs October 2021

"Fuel Type" mix evolution (Market Share)



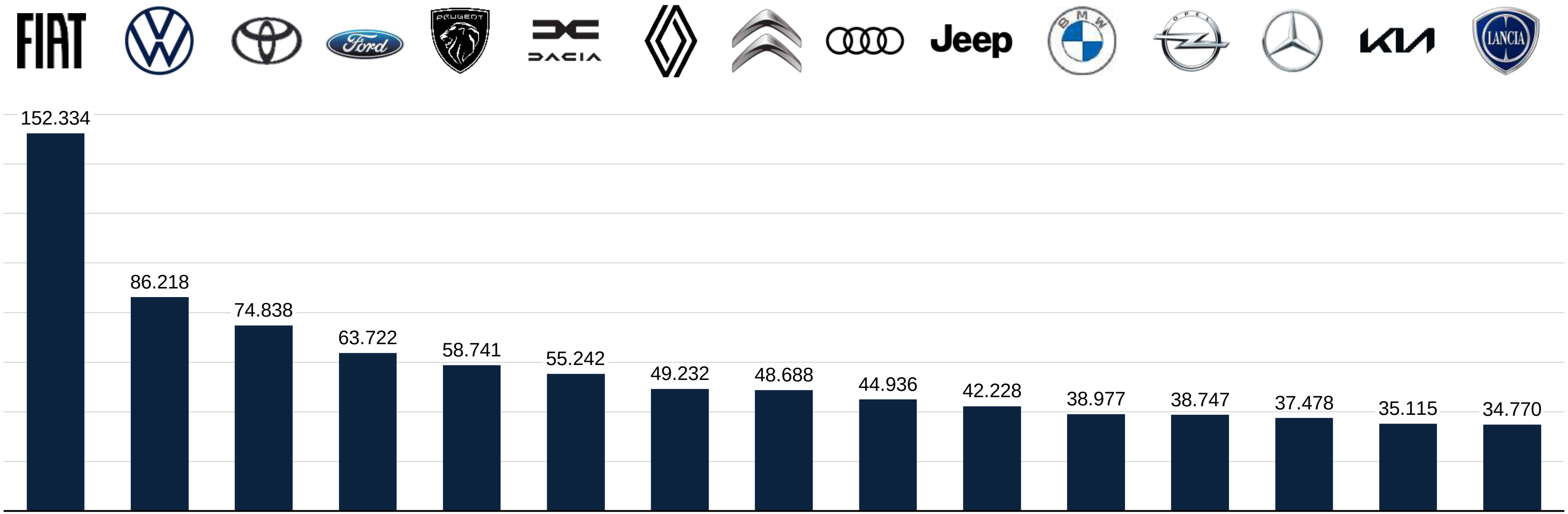
	HEV	PHEV	BEV
MS October '21	35,1%	5,1%	6,9%
MS October '22	36,3%	5,2%	3,1%
MS Delta October '22 vs. '21	+1,2 p.p.	+0,1 p.p.	-3,8 p.p.

- **October confirmed the trend reversal that began in September**, when the Market Share of EVs started to decline**,** while Petrol and Diesel regained Market Share (+1,6 p.p. and +0,6 p.p. respectively in October 2022 compared to 2021)
- **EVs decreased** their market share from 47,1% up to 44,6%; it should be noted that the EV trend is mainly driven by **mild hybrid vehicles** (HEVs) and to a small extent by **Plug-in Hybrid Vehicles** (PHEV), while **BEVs** experienced a further decrease compared to September 2022, with 3,8 p.p. drop in their Market Share

Source: UNRAE

Italy | *New car registrations by brand*

New car registrations by brand – October 2022 YTD (1/3)

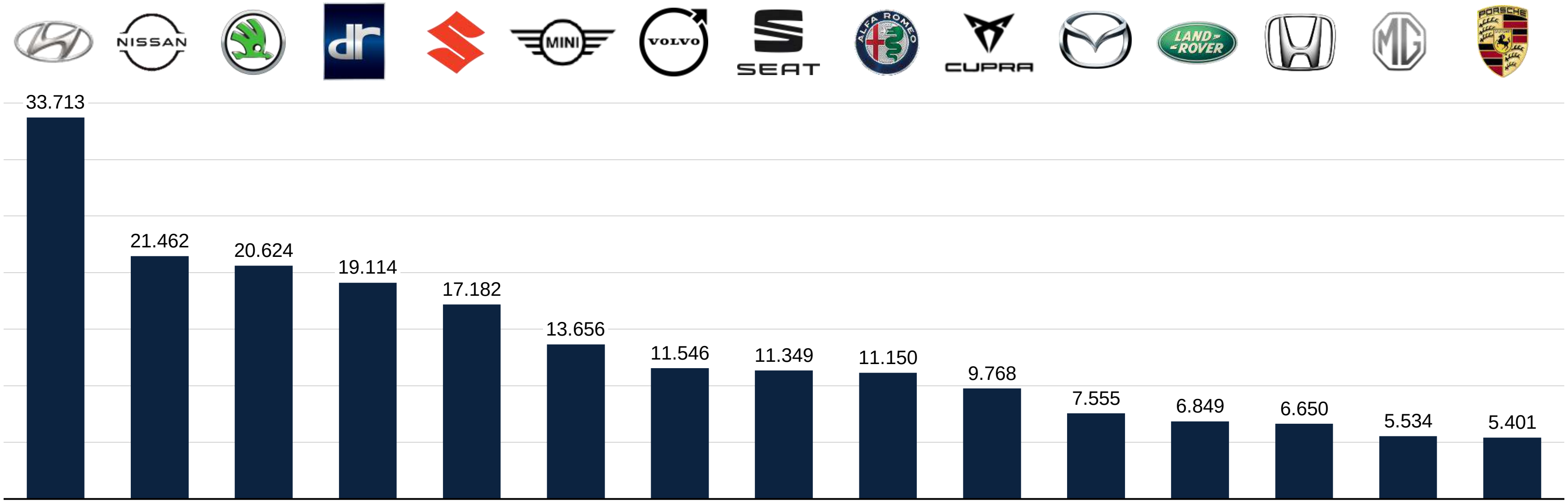


∆ Vol. 22/21	-21,81%	-21,48%	+3,39%	-12,04%	-20,82%	+8,95%	-23,02%	-15,44%	-9,10%	-24,06%	-12,64%	-19,27%	-9,34%	-7,44%	-9,13%
M.S. '22	**13,95%**	**7,90%**	**6,85%**	**5,84%**	**5,38%**	**5,06%**	**4,51%**	**4,46%**	**4,12%**	**3,87%**	**3,57%**	**3,55%**	**3,43%**	**3,22%**	**3,18%**
∆ M.S. 22/21	-9,30%	-8,88%	+19,96%	+2,10%	-8,19%	+26,50%	-10,69%	-1,98%	+5,64%	-11,85%	+1,42%	-6,33%	+5,21%	+7,69%	+5,30%

Source: UNRAE

Italy | *New car registrations by brand*

New car registrations by brand – October 2022 YTD (1/3)

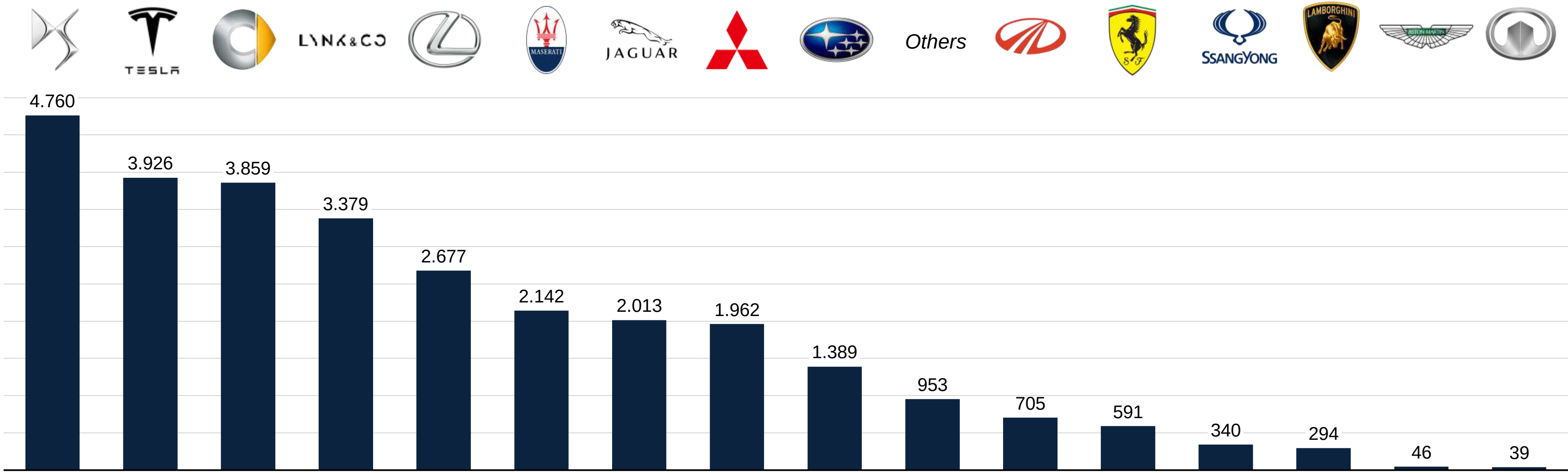


Δ Vol. 22/21	-13,07%	-7,47%	-7,46%	+198,10%	-51,38%	-8,00%	-30,12%	-38,75%	+18,90%	+90,89%	-31,22%	-35,91%	+19,99%	-	+14,70%
M.S. '22	**3,09%**	**1,97%**	**1,89%**	**1,75%**	**1,57%**	**1,25%**	**1,06%**	**1,04%**	**1,02%**	**0,89%**	**0,69%**	**0,63%**	**0,61%**	**0,51%**	**0,49%**
Δ M.S. 22/21	+0,98%	+7,65%	+7,39%	+243,14%	-43,73%	+6,84%	-18,46%	-28,77%	+37,84%	+122,50%	-20,69%	-25,00%	+38,64%	+1600,00%	+32,43%

Source: UNRAE

Italy | *New car registrations by brand*

New car registrations by brand – October 2022 YTD (1/3)



Δ Vol. 22/21	+21,71%	-21,05%	-33,21%	-	-31,60%	+55,33%	-44,97%	-44,86%	-28,07%	+155,50%	-6,99%	+12,14%	-53,10%	+7,69%	+6,98%	-94,48%
M.S. '22	**0,44%**	**0,36%**	**0,35%**	**0,31%**	**0,25%**	**0,20%**	**0,18%**	**0,18%**	**0,13%**	**0,09%**	**0,06%**	**0,05%**	**0,03%**	**0,03%**	**0,00%**	**0,00%**
Δ M.S. 22/21	+41,94%	-7,69%	-23,91%	+675,00%	-19,35%	+81,82%	-37,93%	-35,71%	-13,33%	+200,00%	+0,00%	+25,00%	-50,00%	+50,00%	n.a.	-100,00%

Source: UNRAE

Italy | *New car registrations by group*

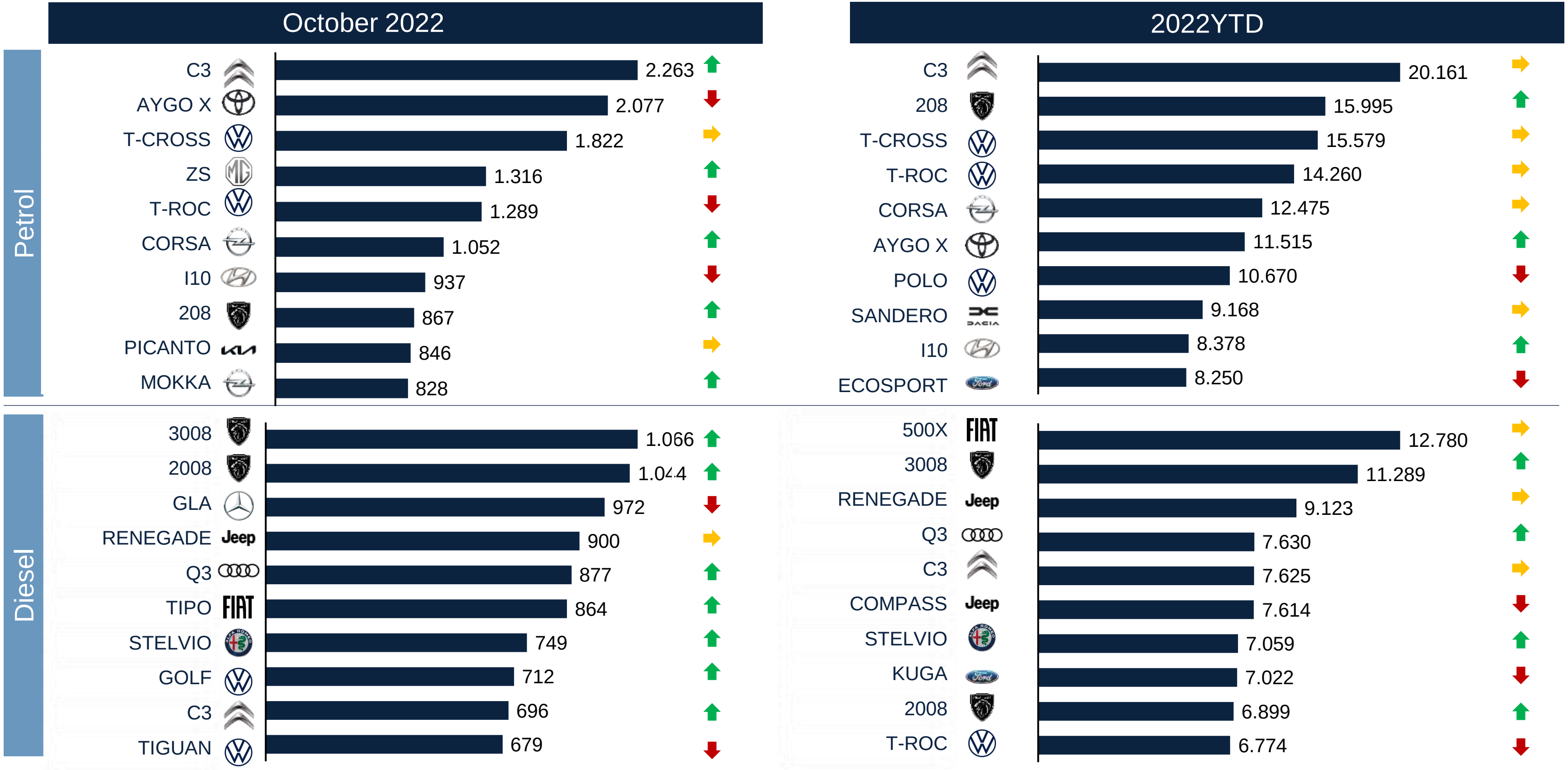
New car registrations by group – Top 15 – October 2022 YTD

#	Group	Brand	Volume	Δ% Volume '22 vs '21	Market Share (%)
1	Stellantis		393.560	-18,5%	36,0%
2	Volkswagen		173.189	-15,7%	15,9%
3	Renault		104.474	-8,9%	9,6%
4	Toyota		77.515	1,6%	7,1%
5	Ford		63.722	-12,0%	5,8%
					Top 5: 74,4%
6	BMW		52.633	-11,5%	4,8%
7	Mercedes-Benz		41.337	-12,3%	3,8%
8	Kia		35.115	-7,4%	3,2%
9	Hyundai		33.713	-13,1%	3,1%
10	Nissan		21.462	-7,5%	2,0%
					Top 10: 91,3%
11	DR Motor		19.114	198,1%	1,8%
12	Suzuki		17.182	-51,4%	1,6%
13	Volvo		11.546	-30,1%	1,1%
14	Jaguar – L.R.		8.862	-38,2%	0,8%
15	Mazda		7.555	-31,2%	0,7%

Source: UNRAE

Italy | *New car registrations by fuel type*

New car registrations by fuel type – Top 10 – Petrol and Diesel

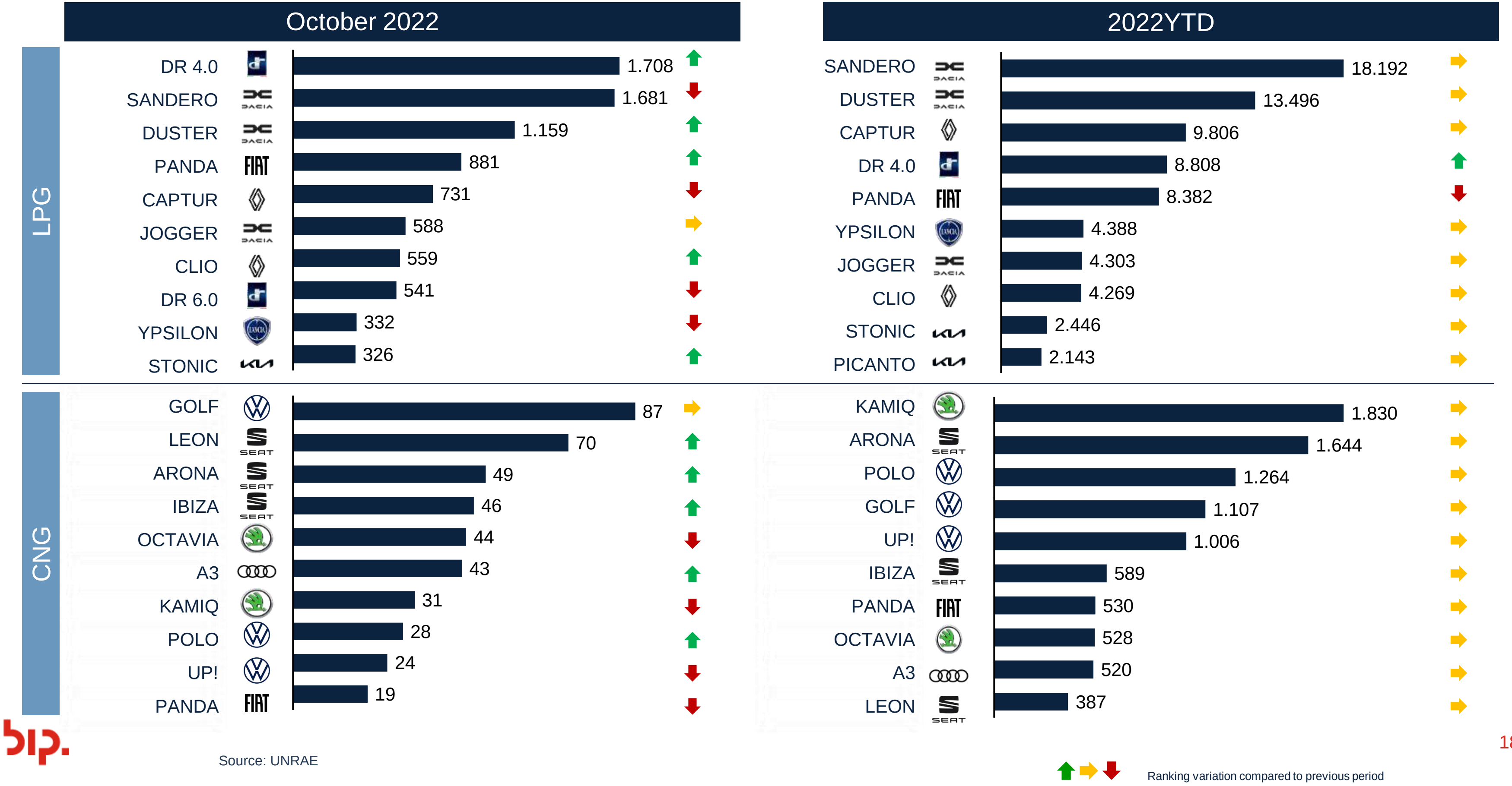


Source: UNRAE

Ranking variation compared to previous period

Italy | *New car registrations by fuel type*

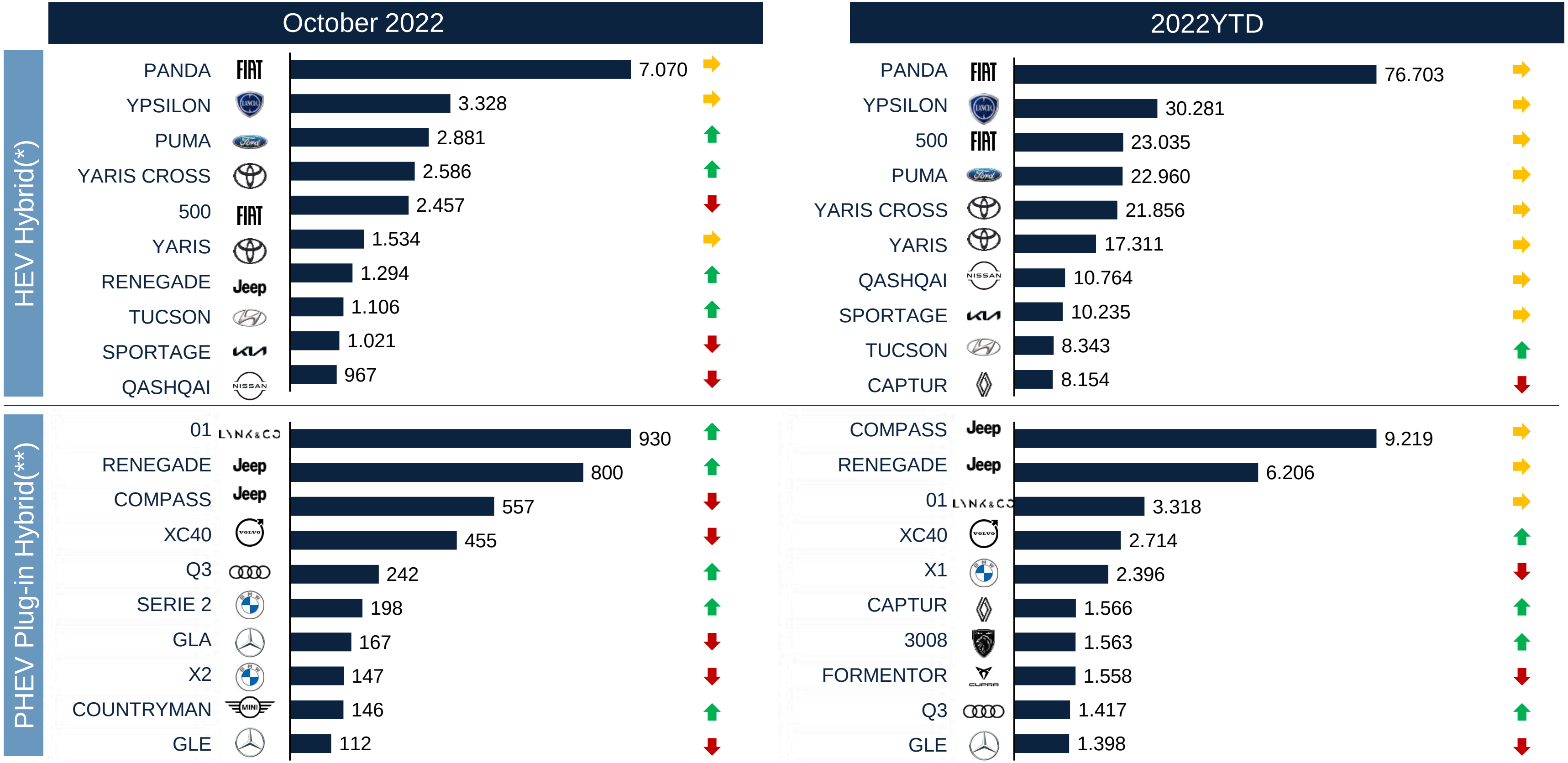
New car registrations by fuel type – Top 10 – LPG and CNG



Source: UNRAE

Italy | *New car registrations by fuel type*

New car registrations by fuel type – Top 10 – Hybrid (HEV and PHEV)



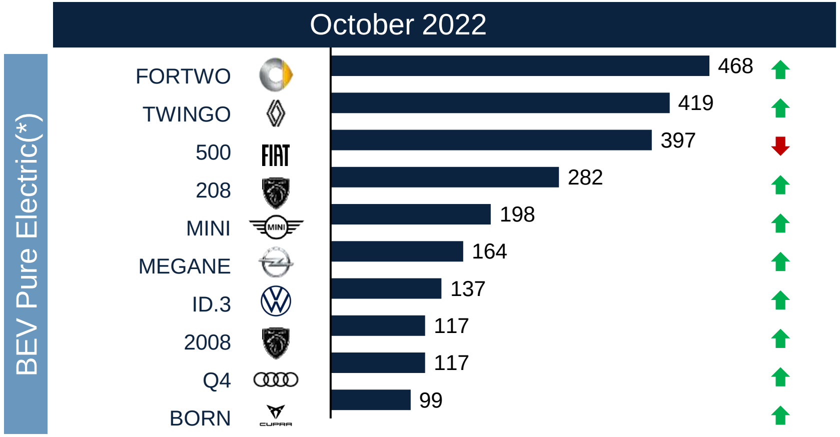
Source: UNRAE

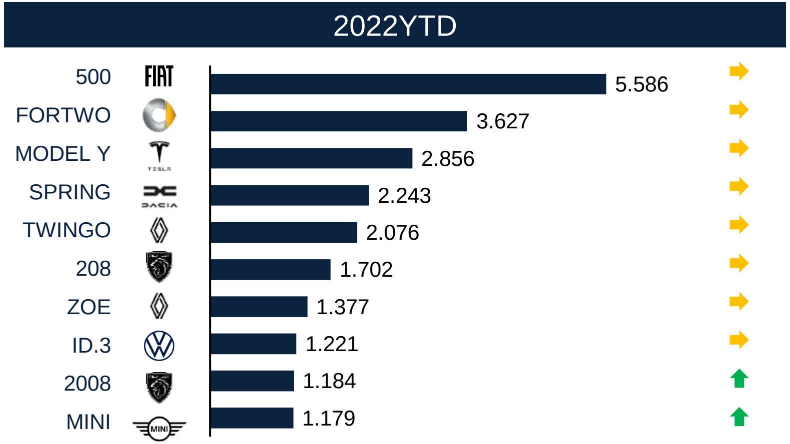
(*) Hybrid Electric Vehicle (HEV), (**) Plug-in Hybrid Electric Vehicle (PHEV)

Ranking variation compared to previous period

Italy | *New car registrations by fuel type*

New car registrations by fuel type – Top 10 – Pure Electric (BEV)





Source: UNRAE

(*) Battery Electric Vehicle (BEV)

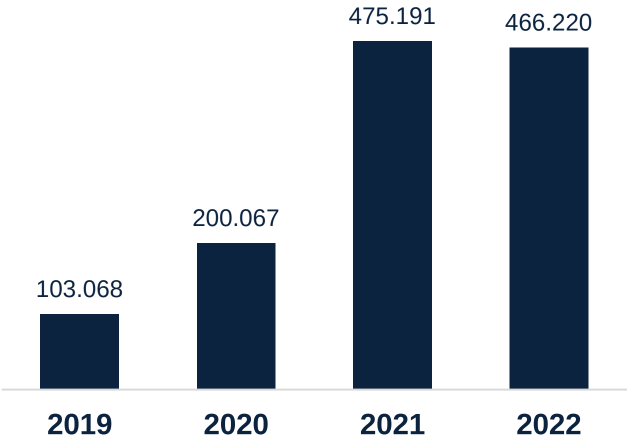
Ranking variation compared to previous period

Italy | *New car registrations by fuel type*

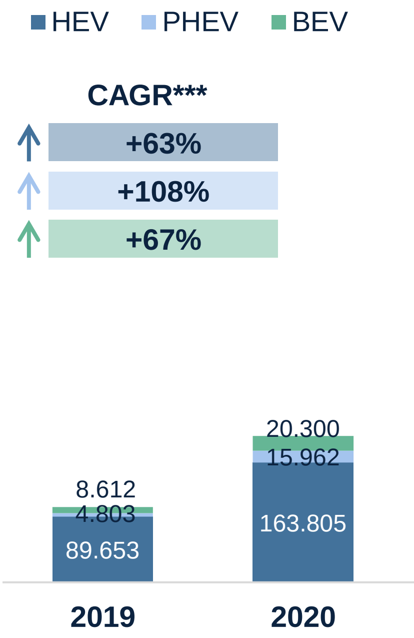
New car registrations of Hybrid vs Pure Electric vehicles

EV Registrations Trend August '22 YTD

	2019	2020	2021	2022
Delta YoY	*+34%*	*+94%*	*+138%*	*-2%*
M.S.	6%	18%	38%	43%



HEV*, PHEV* and BEV** Vehicles Trend August '22 YTD



Although EV MS is growing compared to 2021, in terms of registrations 2022 continues to record a decline over 2021

Source: UNRAE

(*) HEV = Hybrid Electric Vehicles; PHEV = Plug-in Hybrid Electric Vehicles; (**) BEV = Pure Electric; (***) Related to the time frame 2019-2022

Italy | *New car registrations by segment*

Overview of new car registrations by segment

Segments Growth in Market Share*

A «Utility/City» -2,4 *p.p.*

B «Supermini» 1,9 *p.p.*

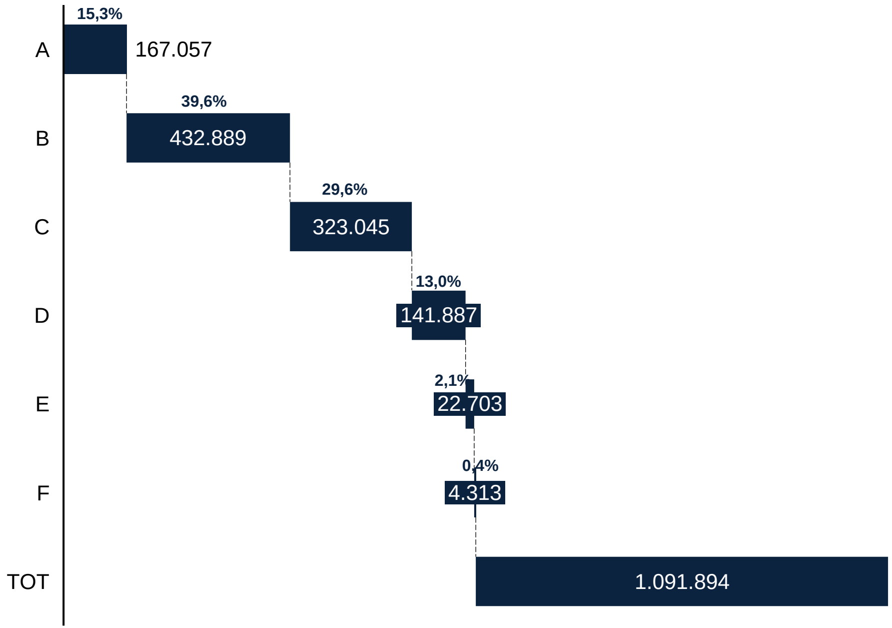
C «Medium» -0,1 *p.p.*

D «Executive» 0,2 *p.p.*

E «Luxury» 0,2 *p.p.*

F «Ultra Luxury» 0,1 *p.p.*

Market Share and Volume**



Source: UNRAE

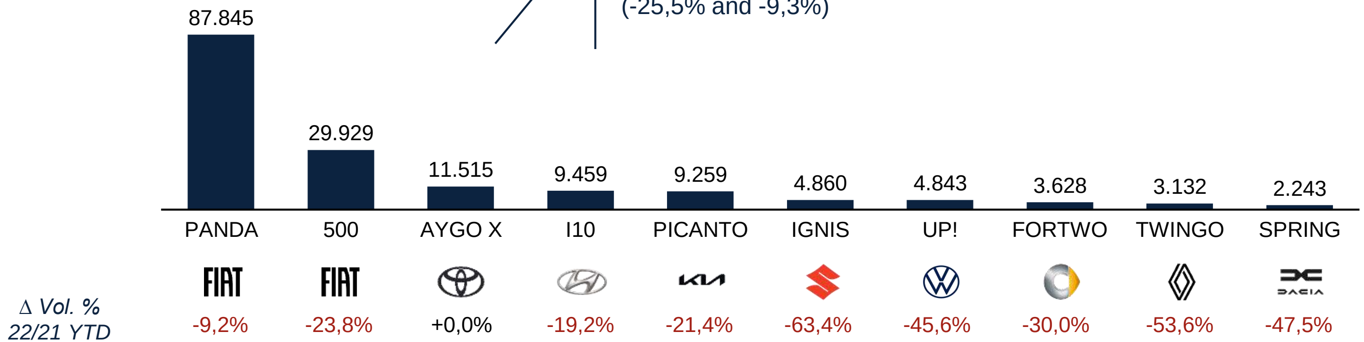
(*) Δ% October 2022 YTD / October 2021 YTD; ** Market Share and Volume October 2022 YTD

Italy | *New car registrations by segment*

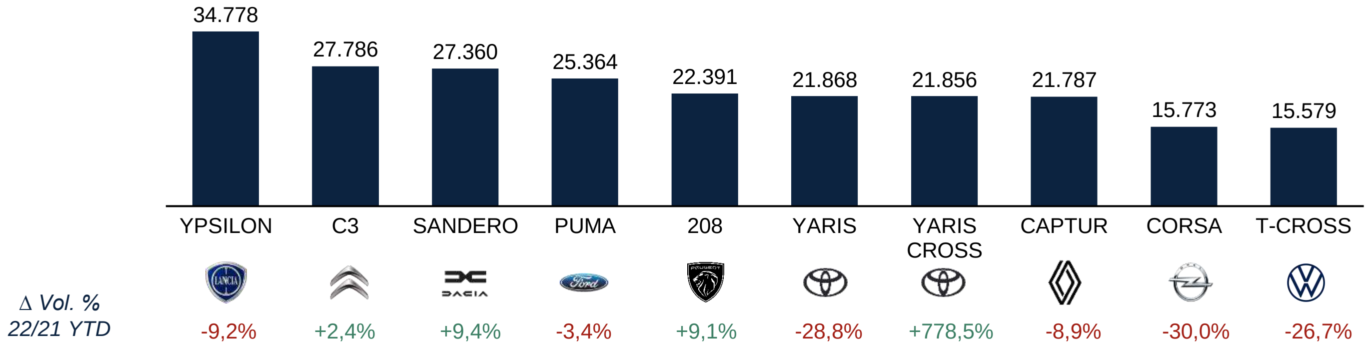
Segment A and Segment B – Top 10 – October 2022 YTD

In terms of **MS**, respectively vs October 2021 YTD, **Segment A** registered a decrease (-2,4 p.p.) while **Segment B** recorded an increase (+1,9 p.p.). Considering the volumes, in October 2022 YTD both **Segment A** and **Segment B** decreased vs. October 2021 (-25,5% and -9,3%)

A
“Utility/City”



B
“Supermini”



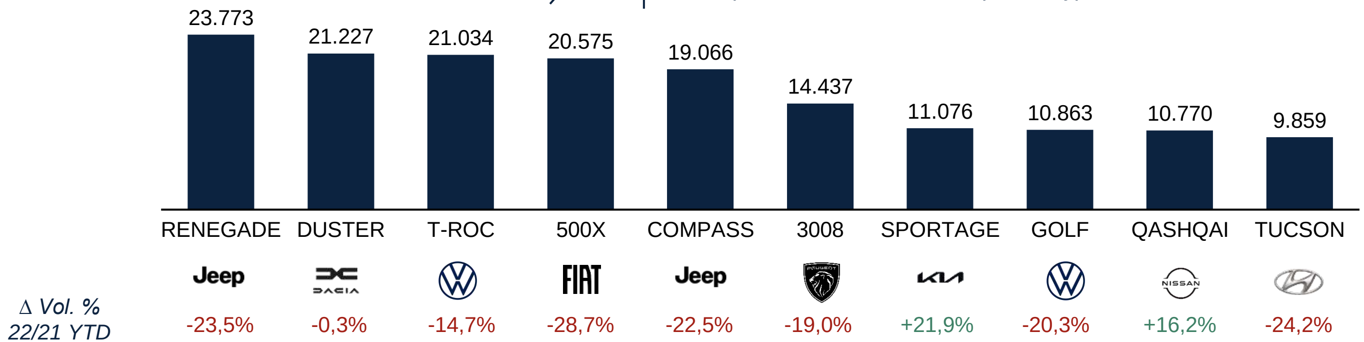
Source: UNRAE

Italy | *New car registrations by segment*

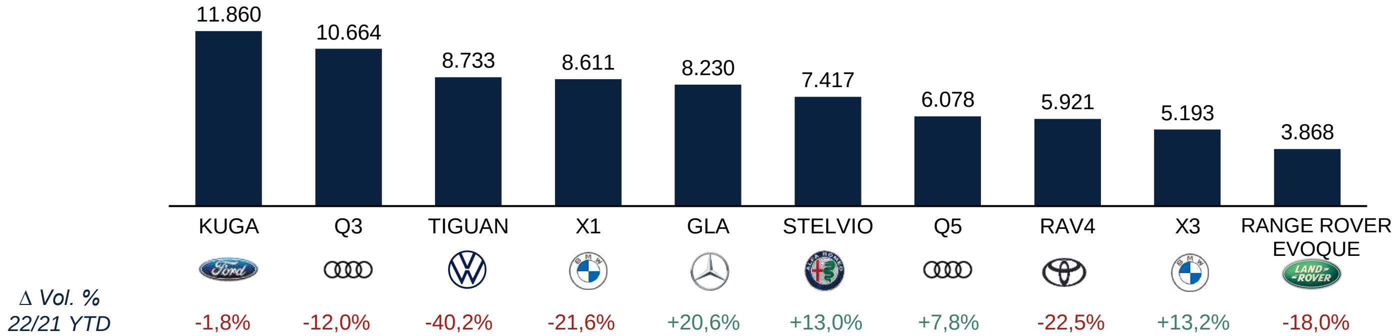
Segment C and Segment D – Top 10 – October 2022 YTD

In terms of **MS**, respectively vs October 2021 YTD, **Segment C** registered a decrease (-0,1 p.p.) while **Segment D** recorded an increase (+0,2 p.p.). Considering the volumes, in October 2022 YTD both **Segment C** and **Segment D** decreased vs. October 2021 (-14,1% and -12,2% respectively)

C
“Medium”



D
“Executive”



Source: UNRAE

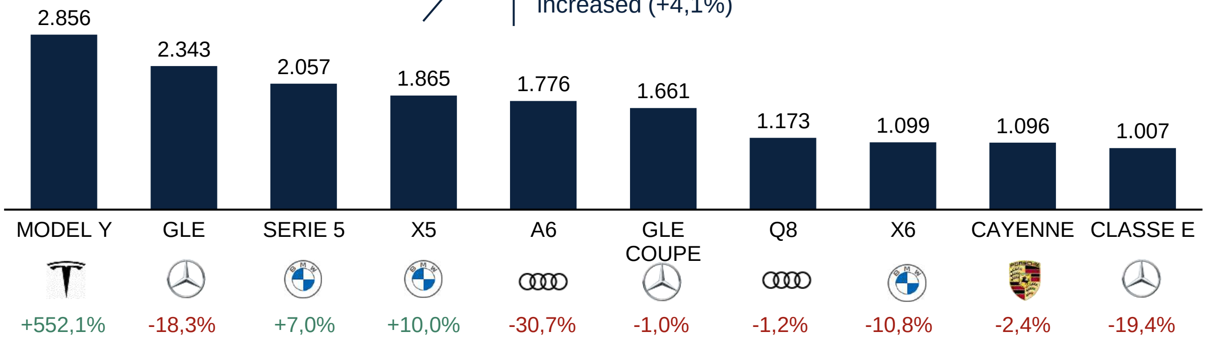
Italy | *New car registrations by segment*

Segment E and Segment F – Top 10 – October 2022 YTD

In terms of **MS**, respectively vs October 2021 YTD, **Segment E** and **Segment F** both registered an increase (+0,2 p.p. and +0,1 p.p.). In terms of volumes, in October 2022 YTD **Segment E** decreased vs. October YTD 2021 (-3,8%) while **Segment F** increased (+4,1%)

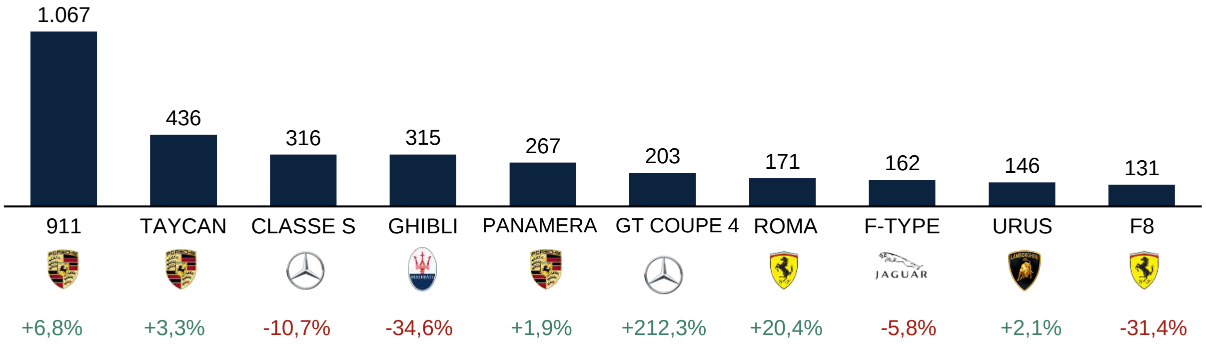
E
"Luxury"

Δ Vol. % 22/21 YTD



F
"Ultra Luxury"

Δ Vol. % 22/21 YTD



Source: UNRAE

New Car Models Launches in Italy

New models launch per brand – Roadmap 2022 (1/3)

	A			B	C			D			F		H	
	Alfa Romeo	Aston Martin	Audi	BMW	Citroën	CUPRA	DACIA	dr	DS	Ferrari	FIAT	Ford	Honda	Hyundai
Jan				Serie 2 Coupè ✓								Fiesta ✓		
Feb			A8 ✓	Serie 2 Active T ✓		Born ✓		5.0 ✓		812 Competizione ✓			HR-V ✓	
Mar					C5 Aircross ✓		Jogger ✓			296 GTB ✓	Tipo Cross SW ✓	Focus ✓		
Apr														
May														
Jun	Tonale ✓													
Jul														
Aug														
Sep				X1 ✓										
Oct				X7 ✓					DS7 Crossback ✓			Ranger ✓	Civic ✓	
Nov		DBX Hybrid		iX1										Ioniq 5 77Kwh
Dec		DBX707 ➡	Q6 e-tron	M2							Panda ➡			Ioniq 6

✓ Launch Concluded
➡ Launch Postponed
⬅ Launch Anticipated

Commercial Launch of New Model
Facelift / Technical Update
(P) Premiere

Source: Quattroruote, Motor1

New Car Models Launches in Italy

New models launch per brand – Roadmap 2022 (2/3)

	I	J		K		L				M			N
		JAGUAR	Jeep	KIA	LAMBORGHINI	LANCIA	LAND ROVER		MASERATI			MINI		NISSAN
Jan				✓ Sportage						✓ Mazda 2	✓ EQB			
Feb		✓ I-Pace						✓ NX						
Mar							✓ Range Rover			✓ Mazda 2 Hybrid				
Apr										✓ CX-60	✓ SL			
May			✓ Renegade								✓ EQE			
Jun			✓ Cherokee 4xe					✓ RX	✓ Grecale					✓ Qashqai E-power
Jul														✓ Ariya
Aug														
Sep											✓ AMG GT 63 S E			✓ X-Trail
Oct								✓ RZ			✓ GLC			
Nov					Aventador									
Dec					Urus Evo							Countryman ➡		

✓ Launch Concluded
➡ Launch Postponed
⬅ Launch Anticipated

Commercial Launch of New Model
Facelift / Technical Update
(P) Premiere

Source: Quattroruote, Motor1

New Car Models Launches in Italy

New models launch per brand – Roadmap 2022 (3/3)

	O	P		R	S						T		V	
					SEAT			SSANGYONG			TESLA			VOLVO
Jan										✓ S-Cross			✓ ID 5	
Feb	✓ Astra	✓ 308 SW	✓ Macan T	✓ Mègane E-Tech					✓ Forester			✓ Aygo X	✓ Taigo	✓ XC40
Mar	✓ Astra Sports T.		✓ 718 Cayman GT4RS			✓ Karoq							✓ T-Roc	
Apr														
May												✓ GR86		
Jun														
Jul														
Aug														
Sep						✓ Enyaq Coupè								
Oct												✓ Corolla Cross		
Nov								Korando E-Motion ➡	✓ ⬅ Solterra				✓ Id Buzz	
Dec								X200 e J100 ➡			Cybertruck	BZ4x		XC20

✓ Launch Concluded
➡ Launch Postponed
⬅ Launch Anticipated

Commercial Launch of New Model
Facelift / Technical Update
(P) Premiere

bip.

Source: Quattroruote, Motor1

01. Europe

02. Italy

03. New car models launches in Italy

04. News on key industry trends

News on key industry trends

5 key trends are expected to push the evolution of the automotive industry. For each one in the following slides there is a selection of main news published from 21/10/2022 to 22/11/2022

Sustainability
Increasing OEMs focus on the reduction or neutralization of environmental externalities along the automotive value chain

Digitalization
Towards a seamless online-offline customer journey with an increasing direct role of the OEM

Mobility Services
New emerging models (MaaS) of car usership to meet new customer mobility needs and behaviors are transforming OEMs' strategies

Electrification
Car parc evolution towards electric (full and hybrid) vehicles and creation of a new ecosystem based on EV needs

Connectivity
Connected cars are changing the way to interact with customers and opening new business streams related to data utilization

News on key industry trends

Digitalization

Stellantis buys Cazoo Italia and revives brumbrum	Stellantis concluded the acquisition of the Italian branch of Cazoo. It would be the first step to revive brumbrum, the scaleup founded by Francesco Banfi and acquired by the English company in January 2022 (…)

https://sparkchronicles.com/stellantis-buys-cazoo-italia-and-revives-brumbrum/

Renault and Google accelerate partnership to develop the vehicle of tomorrow and strengthen digital transformation	Renault Group and Google announced today an expanded partnership aimed at designing and delivering the digital architecture for the "Software Defined Vehicle" (SDV) and accelerating the group's digitalization (…)

https://www.prnewswire.com/news-releases/renault-group-and-google-accelerate-partnership-to-develop-the-vehicle-of-tomorrow-and-strengthen-renault-groups-digital-transformation-301671093.html

News on key industry trends

Electrification (1/4)

Renault Group announces Ampere division for EV and software-related activities

At its Capital Market Day, the Renault Group unveiled the third phase of its company-wide Renaulution plan, which now includes the establishment of Ampere – a new sub brand that will host the OEM's EV and software activities (…)

https://telematicsnews.info/2022/11/10/renault-group-announces-ampere-division-for-ev-and-software-related-activities/

Comau at the forefront of transport electrification

The company announced the design and development of a lithium battery module production line for the future Automotive Cells Company (ACC) Gigafactory, which will be built in Billy-Bercalu Douvrain, northern France (…)

https://www.innovationpost.it/2022/10/31/comau-in-prima-fila-per-lelettrificazione-dei-trasporti/

France's massive new lithium mine could supply 700.000 electric car batteries a year

A lithium mine with the capacity to supply 700.000 electric car batteries per year is set to open in France. The massive mining project will operate on the site of the existing Beauvoir kaolin quarry in Central France (…)

https://www.euronews.com/green/2022/10/24/frances-massive-new-mithium-mine-could-supply-700000-electric-car-batteries-a-year

News on key industry trends

Electrification (2/4)

Toyota second life battery storage system using multiple chemistries goes online in Japan

The 485kW/1,260kWh system was built using batteries reclaimed from electric vehicles (EVs) and began operation on Japan's electricity grid today (27 October), Toyota announced (…)

https://www.energy-storage.news/toyota-second-life-battery-storage-system-using-multiple-chemistries-goes-online-in-japan/

Anm: tender for more than 2.000 recharging points in the municipality of Naples

Anm launched a tender to install 2.140 charging points in some of the main public car parks in the City of Naples, which have a total of 5.740 parking spaces (…)

https://e-ricarica.it/anm-bando-per-piu-di-2mila-colonnine-nel-comune-di-napoli/

Saudi wealth fund sets up electric car joint venture with Foxconn

Saudi Arabia's sovereign wealth said on Thursday it will make electric cars in the kingdom under a joint venture with Apple supplier Foxconn as part of a push to build new industries and lessen dependence on oil (…)

https://www.reuters.com/business/autos-transportation/saudi-crown-prince-launches-ceer-first-saudi-electric-vehicle-brand-2022-11-03/

News on key industry trends

Electrification (3/4)

VW to go fully electric in Europe from 2033

Volkswagen wants to build only pure electric cars in Europe from 2033 at the latest. Brand CEO Thomas Schäfer is thus bringing forward the previous goal of exiting the internal combustion vehicle business in Europe between 2033 and 2035 (…)

https://www.electrive.com/2022/10/27/vw-to-go-fully-electric-in-europe-from-2033/

Aspi, Eni and CDP together to develop charging infrastructure and decarbonization initiatives

Autostrade per l'Italia, Eni and Cassa Depositi e Prestiti entered into a partnership to create synergies to support the energy transition. The agreement includes the development of charging points for electric vehicles (…)

https://e-ricarica.it/aspi-eni-e-cdp-insieme-per-lo-sviluppo-di-infrastrutture-di-ricarica-e-iniziative-di-decarbonizzazione/

NIO launches its first battery swap station in Sweden

NIO officially opened its first battery swap station in Sweden to support its expansion in Europe.
The station is installed in Varberg, alongside the E6 highway between Gothenburg and Malmö, mainly for the purpose of long-distance travel (…)

https://insideevs.com/news/622823/nio-first-battery-swap-station-sweden/

News on key industry trends

Electrification (4/4)

Renault and Geely announce ICE and hybrid joint venture company

French automaker Renault and Chinese Geely have agreed to establish a joint venture company that will produce internal-combustion and hybrid powertrains. The two companies announced they have signed a non-binding framework agreement to establish (…)

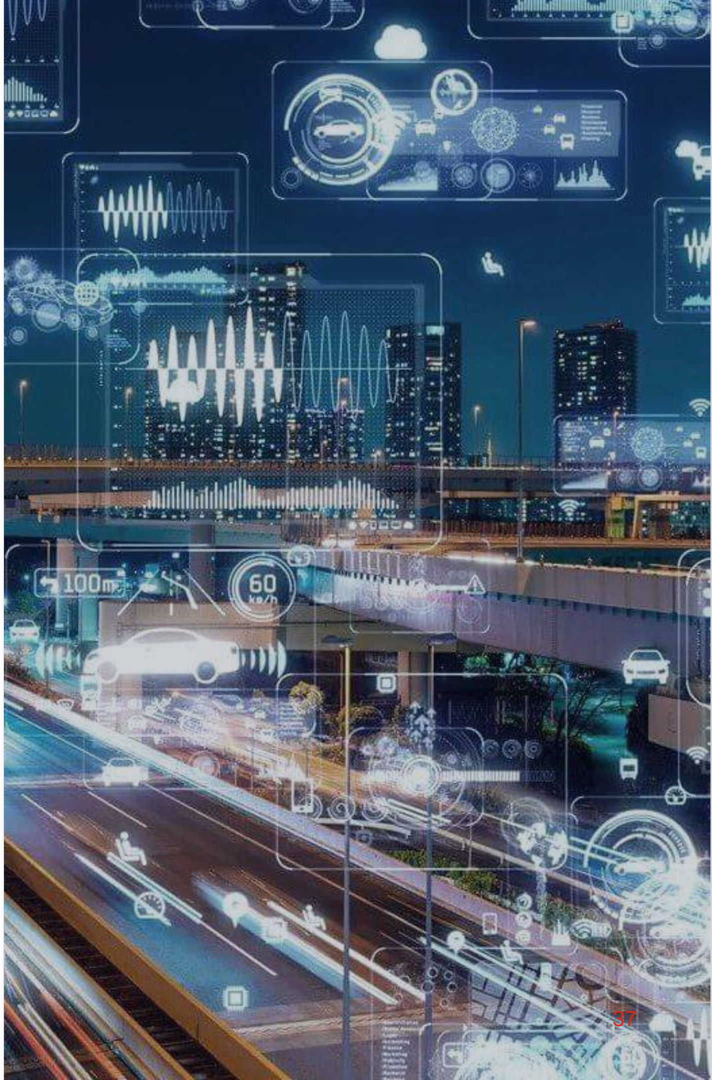
https://www.carexpert.com.au/car-news/renault-and-geely-announce-ice-and-hybrid-joint-venture-company

News on key industry trends

Connectivity

Ford, VW-backed Argo AI is shutting down	Argo AI, an autonomous vehicle startup that burst on the scene in 2017 stacked with a $1 billion investment, is shutting down — its parts being absorbed into its two main backers: Ford and VW, according to people familiar with the matter (…)

https://techcrunch-com.cdn.ampproject.org/c/s/techcrunch.com/2022/10/26/ford-vw-backed-argo-ai-is-shutting-down/amp/



News on key industry trends

Mobility Services

Skoda wants to launch subscription service for autonomous EV fleet	Skoda wants to launch a car subscription service for a self-driving fleet of EVs - something the Vision S concept could join (…)

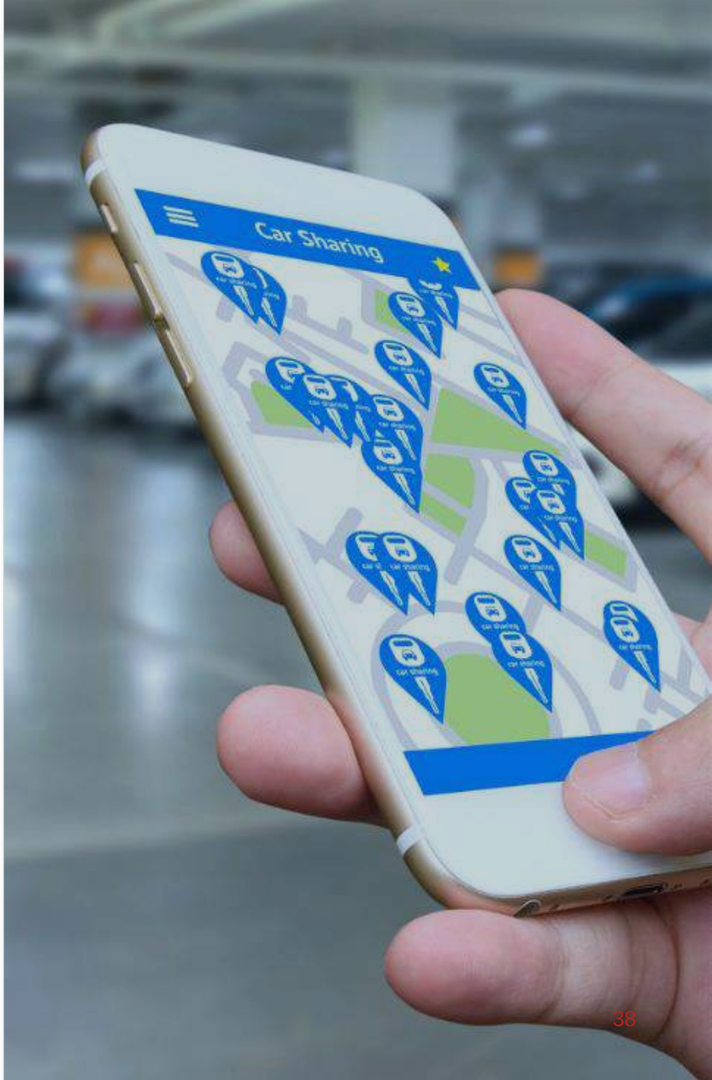
https://headtopics.com/us/skoda-wants-to-launch-subscription-service-for-autonomous-ev-fleet-autocar-31069370

Helbiz starts in-app sales of insurance	Helbiz, a leader in electric micro-mobility services and YOLO, Italy's first mover in insurtech are launching Helbiz Insurance, a new suite of digital insurance solutions for customers directly from the Helbiz app (…)

https://www.morningstar.com/news/business-wire/20221102005612/helbiz-starts-in-app-sales-of-insurance

Volkswagen enters partnership with MILES Mobility	The Volkswagen Group is driving forward its transformation into a mobility provider and is entering into a partnership with car sharing company MILES Mobility. Both parties wants to o accelerate expansion of car sharing portfolio (…)

https://www.automotiveworld.com/news-releases/volkswagen-enters-partnership-with-miles-mobility-to-accelerate-expansion-of-car-sharing-portfolio/



News on key industry trends

Sustainability

ACEA: New 'Euro' pollutant emission proposal risks slowing down transition to zero-emission transport

The European Automobile Manufacturers' Association (ACEA) has serious concerns about the European Commission's proposal for new pollutant emission standards for cars and vans (Euro 7) and trucks and buses (Euro VII), published today (…)

https://www.automotiveworld.com/news-releases/acea-new-euro-pollutant-emission-proposal-risks-slowing-down-transition-to-zero-emission-transport/

Here is the Hotel Hyundai, the hotel powered by an electric car

Test the new intelligent communication technologies of electric cars to offer a new holiday experience. This is the aim of the original Hotel Hyundai, a small off-grid accommodation company in the woods of Essex, England (…)

https://www.sustainabilityenvironment.com/2022/10/26/hotel-hyundai-the-hotel-powered-by-an-electric-car/

Commission proposes new Euro 7 standards to reduce pollutant emissions from vehicles and improve air quality

The Commission presented a proposal to reduce air pollution from new motor vehicles sold in the EU to meet the European Green Deal's zero-pollution ambition, while keeping vehicles affordable for consumers (…)

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_6495

Thank you.

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