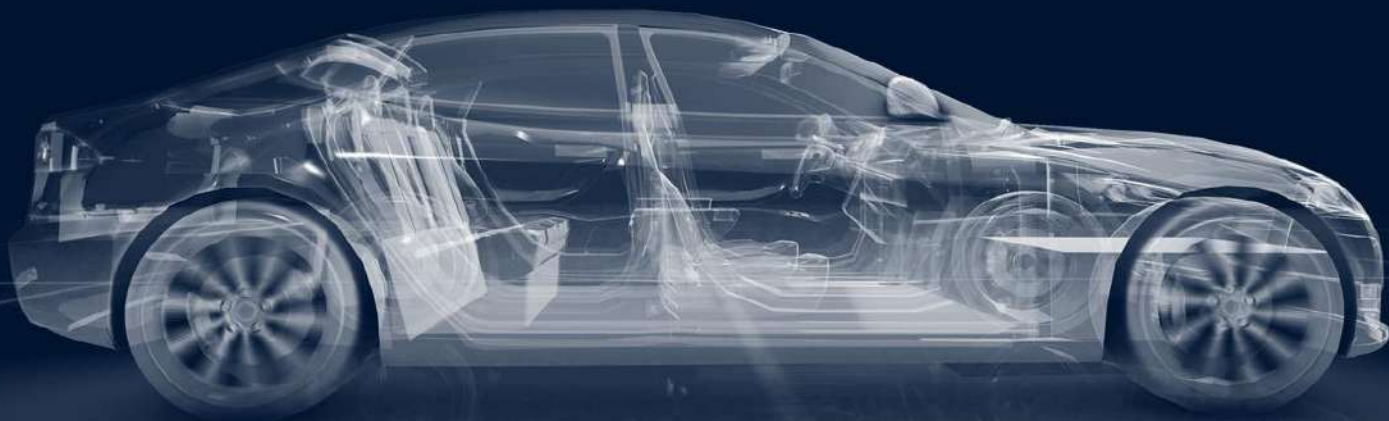


BIP AutoObserver

Analysis of new car registrations

June 2022



Executive Summary

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



Europe*

-16,8%

Top 3 Countries by growth of new registrations: only Iceland (+35,7%) and Latvia (+6,2%) registered an increase in June 2022 compared to June 2021. Considering YTD results Iceland (+53,4%), Romania (+23,1%) and Bulgaria (+13,3%) are the top 3

Top 3 Countries by market share: Germany 22,1% (+0,7 p.p.), United Kingdom 14,3% (+0,3 p.p.) and France 13,8% (-0,4 p.p.) in June 2022 YTD compared to June 2021 YTD

Brands: among the **Top 15 by volume**, Mercedes (+1,0%), Kia (+2,1%), Dacia (+31,9%) registered a growth in June 2022 with respect to June 2021. Considering June 2022 YTD Hyundai (+8,2%) with Kia (+16,8%) and Dacia (+18,2%) are growing

Premium brands: among the Top 15 by volume, only Mercedes-Benz registered a growth (+1,0%) in June 2022 compared to June 2021, while BMW (-15,6%) and Audi (-27,6%) are still decreasing. All 3 brands are decreasing considering a YTD perspective



Italy

-15,0%

Areas monthly results: North-East -17,4%, North-West -15,4%, Centre -7,0%, South -18,3% and Islands -22,5%, comparing June 2022 with June 2021

Customer segments: Retail -24,8%, Fleet -16,4% and Business -24,3% June 2022 YTD vs June 2021 YTD

Brands: among the **Top 15 by volume** Dacia is growing in volume both YTD (+20,3%) and June 2022 (+33,5%), Peugeot is growing in June (+18,4%) compared to the decrease in May 2022 (-20,9%). The others are in a downtrend considering both YTD and monthly results

Premium brands: among the Top 15 by volume BMW, Audi and Mercedes-Benz are decreasing both YTD and June 2022. Only BMW is decreasing less than the overall market (-19,6% vs -22,7% YTD), while Mercedes-Benz and Audi record volume reductions of -24,1% YTD and -26,8% YTD, respectively.



01. Europe

- | Market overview
- | New car registrations by brands

02. Italy

03. Quarterly special topic.
Where is the market going?


04. New car models launches in Italy

05. News on key industry trends

Europe | Market Overview

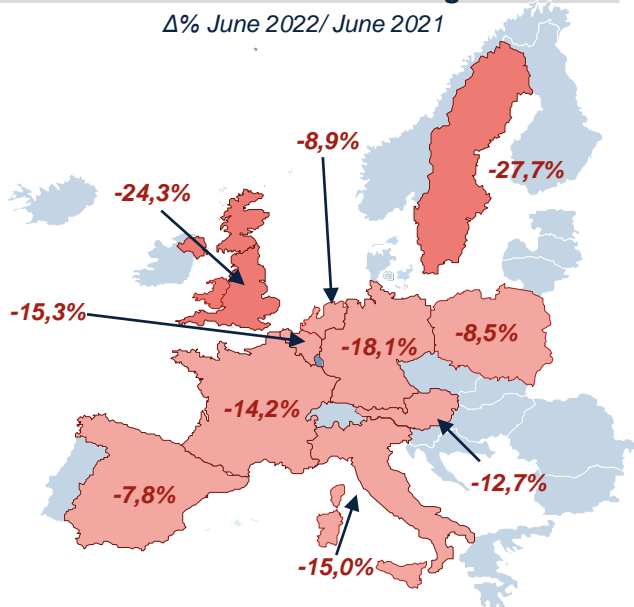
Top 10 European Markets* – June 2022

European Markets*
new car registrations

2021	1.281.892	-16,8%	
2022	1.066.137		

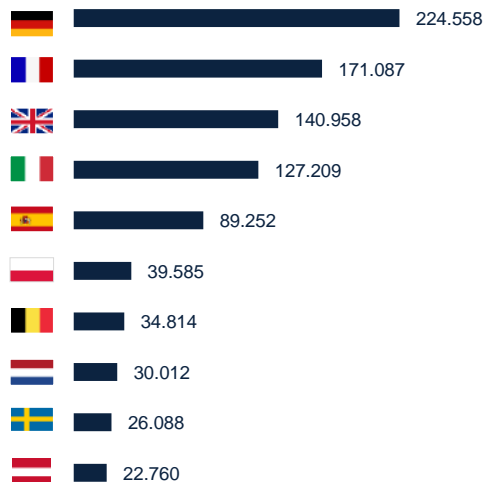
Δ% Volume 22/21 of new car registrations

Δ% June 2022/ June 2021



Number of EU new car registrations 2022

New car registration June 2022

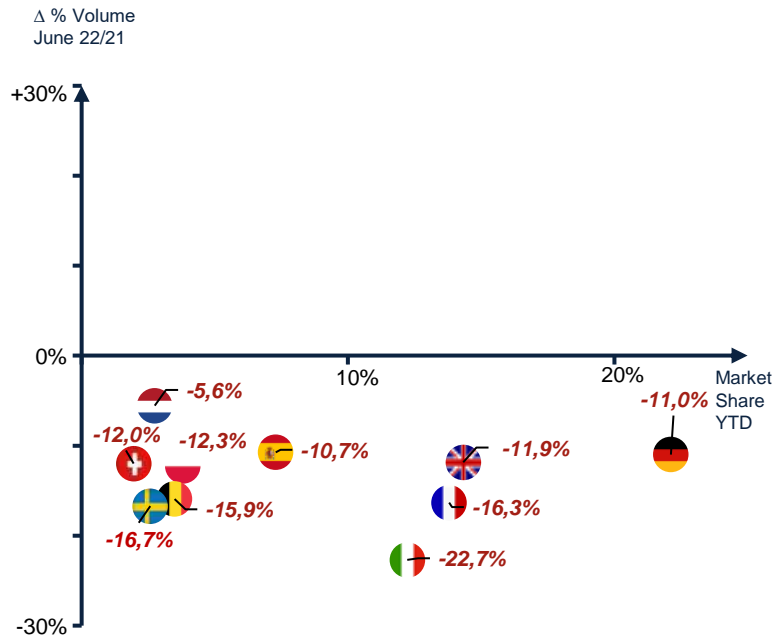


! Highlights

- The European market (EU+UK+EFTA) had a **drop in registrations** from 1.281.892 in June 2021 to 1.066.137 in June 2022 (11th consecutive month in negative).
- During June, the EU passenger car market experienced a decline compared to May, moving from a **-12,5% in May to -16,8% in June**
- An increase has been registered only for 2 out of 30 countries (none for the top 10 for volume). In particular, **Sweden**, which recorded a recovery in May in terms of registrations with an 8,6% increase over the same period in 2021, **returns in June with a decrease of 27,7%**



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



#	Country	MS June 2022 YTD	Δ VS 2021	Sales Volume June 2022 YTD
1	GER	22,1%	-11,0%	1.237.975
2	UK	14,3%	-11,9%	802.079
3	FRA	13,8%	-16,3%	771.980
4	ITA	12,2%	-22,7%	684.228
5	SPA	7,3%	-10,7%	407.757
6	POL	3,8%	-12,3%	212.405
7	BEL	3,5%	-15,9%	195.387
8	NET	2,7%	-5,6%	153.708
9	SWE	2,6%	-16,7%	144.182
10	CHE	2,0%	-12,0%	109.600

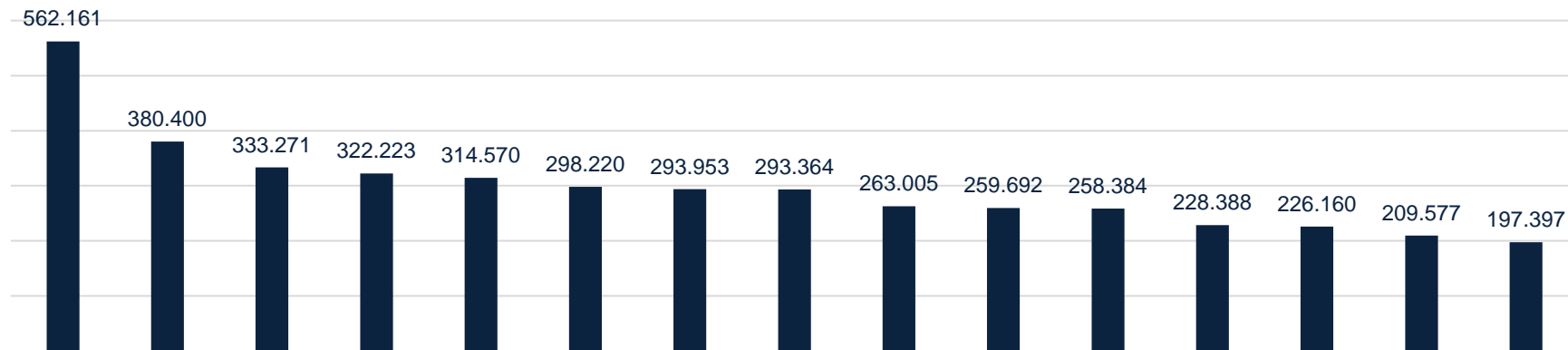
! Highlights

- In the **first half of the year 5.597.656 units** have been registered in the European passenger cars market with a **decrease** of -13,7% compared to the same period of 2021 and -33,9% compared to 2019
- An **increase** only for 7 out of 30 countries (highest for Iceland +53,4%), none of them in the top 10, while a **decline** for **23 countries** (highest for Italy, - 22,7%, considering the top 10)

Europe | New car registrations by brand



Top 15 – June 2022 YTD



Δ Vol. 22/21	-23,8%	-1,8%	-21,2%	-14,3%	-10,1%	-13,5%	-20,3%	+16,8%	+8,2%	-24,9%	-15,4%	-16,9%	+18,2%	-25,4%	-24,7%
MS '22	10,0%	6,8%	6,0%	5,8%	5,6%	5,3%	5,3%	5,2%	4,7%	4,6%	4,6%	4,1%	4,0%	3,7%	3,5%
Δ MS 22/21	-0,12%	+0,14%	-0,09%	-0,01%	+0,04%	0,00%	-0,08%	+0,35%	+0,25%	-0,13%	-0,02%	-0,04%	+0,37%	-0,14%	-0,13%



01. Europe

02. Italy

- | Market overview
- | Market highlights
- | New car registrations by brand
- | New car registrations by group
- | New car registrations by fuel type
- | New car registrations by segment

03. Quarterly special topic.
Where is the market going?

04. New car models launches in Italy

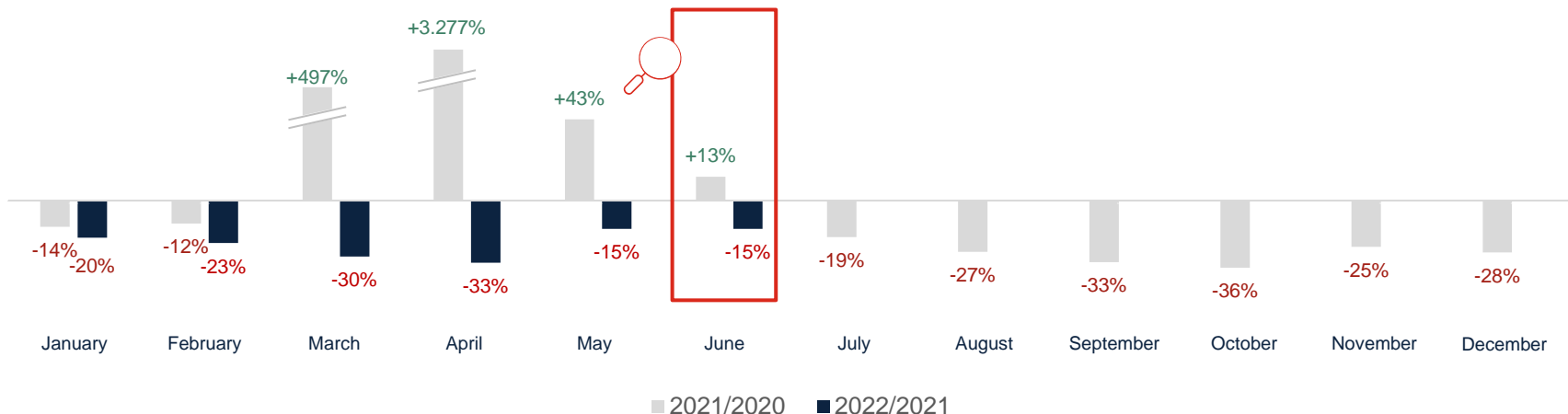
05. News on key industry trends



Italian Market – Variation of new car registrations 2022 vs 2021

June 2022 Highlights

In the **first half of the year**, the Italian car market registered a **drop of 22,7%** compared to 2021 YTD (about two hundred thousand fewer cars registered). The new incentives allocated at the end of May were not enough to reverse the trend, in fact June 2022 registered a **15% decrease** compared to June 2021 (the same percentage of the previous month). The impact of the incentives is limited by the continuing difficulties in the supply of electronic components, which slows down production, delivery of cars and therefore registrations: the "**shortage**" of **microchips and raw materials** and the **Ukraine war** continue to have an important impact on the industry, and most of the new incentive bookings refer to vehicles not ready for delivery, but available in the coming months. Regarding the **registrations** in terms of **geographical area**, the **islands** registered the **largest loss**, both June 2022 and YTD; **Private and Business segments** continue their decline, while **Fleet** highlights its **second month of slight growth** (2,0% in June 2022 and 0,8% in May 2022).



Italy | Market Overview

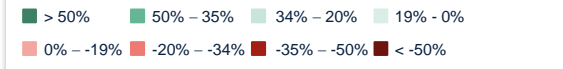
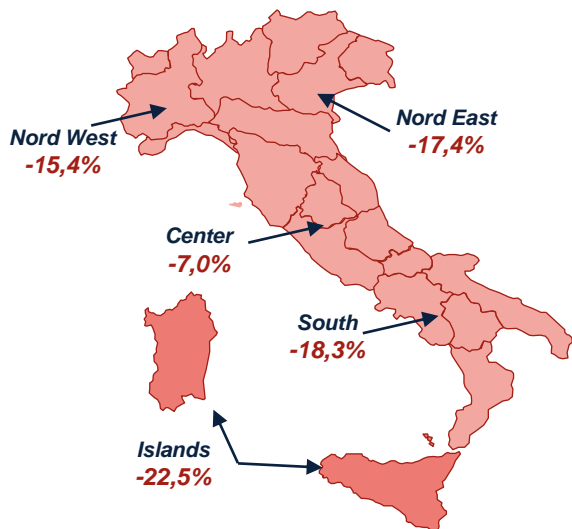
Italian Market – June 2022 vs June 2021

Italy New Car Registrations

2021	149.670	-15,0%	
2022	127.209		

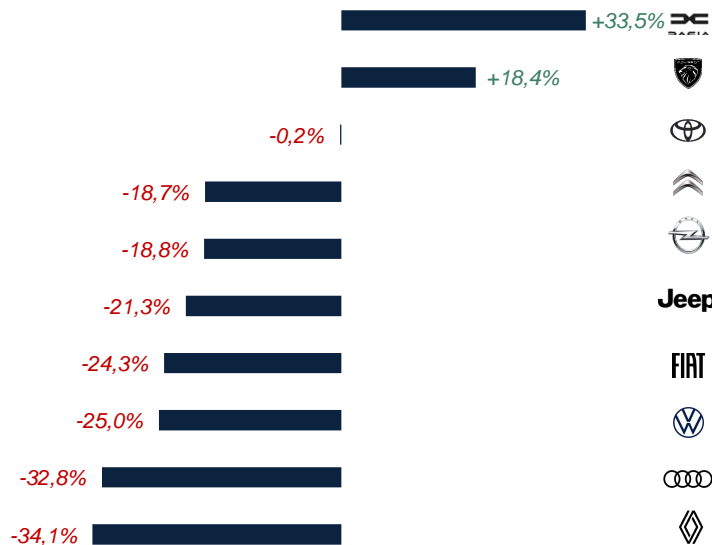
Δ% Volume 22/21 of New Car Registrations

% June 2022/ June 2021



Growth of Top 10 Brands by Volumes

Δ% June 2022/ June 2021



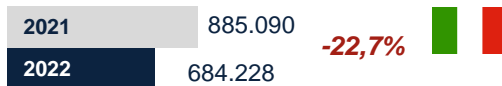
! Highlights

- In June 2022, the Italian market experienced an **overall decrease in registrations for all geographical areas in line with the previous months**. The Islands had the worst performance (-22,5%)
- Dacia continues to grow** compared to 2021, in June much more than in May (+33,5% in June vs. +0,5% in May)
- Peugeot** with respect to May, **reverses the trend** from a 20,9% decline to an 18,4% increase
- The other 8 brands** in the top 10, registered a **negative variation** (higher for Renault -34,1% and Audi -32,8%), even though Citroen recorded a volume recovery

Italy | Market Overview

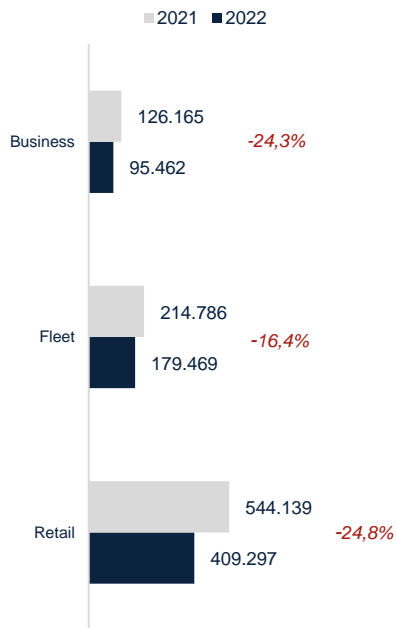
Italian Market – June 2022 YTD vs June 2021 YTD

Italy New Car Registrations (YTD)



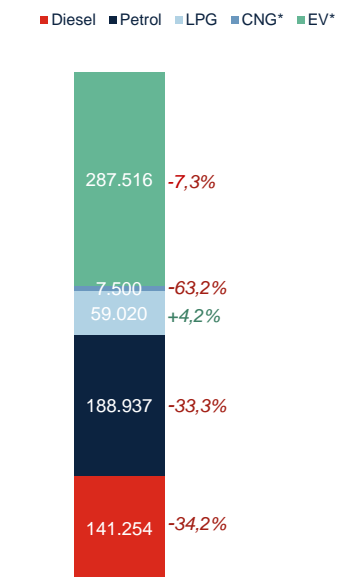
Analysis by “Customer Segment”

Registration YTD '22/'21



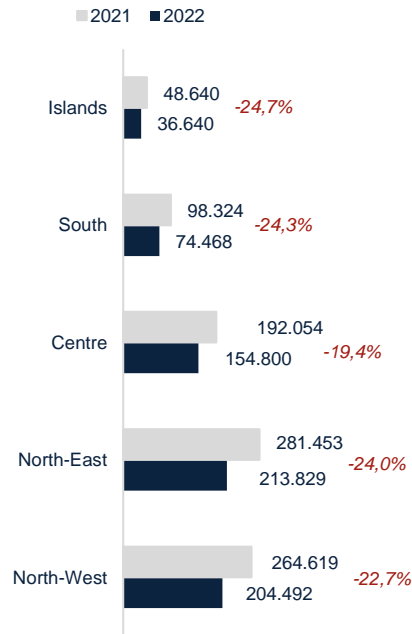
Analysis by “Fuel Type”

Registration YTD '22



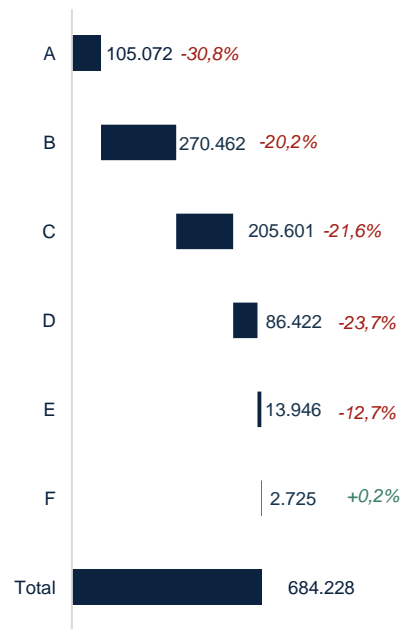
Analysis by “Geographical Area”

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)

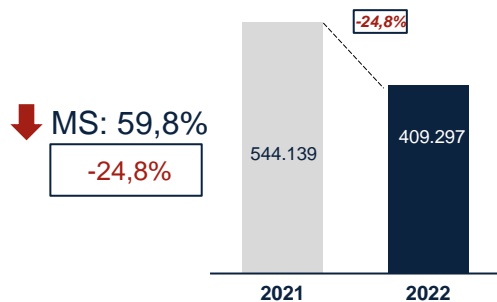
Italy | Market Highlights

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

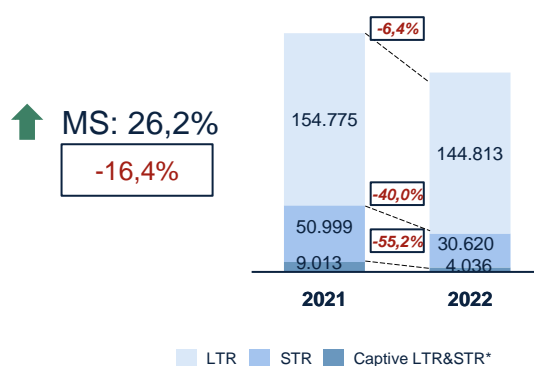
Italy New Car Registrations (YTD)

2021	885.090	-22,7%	
2022	684.228		

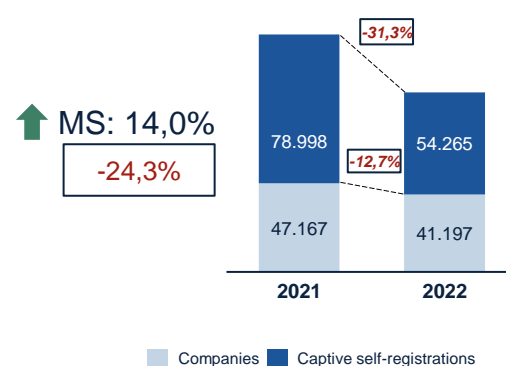
Retail (Private Customers)



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



Business (Company registrations**)



■ Compared to **June 2021 YTD**, in **2022**, **Retail** segment of the Italian market confirms the decrease of 2022 with -24,8% (-134.842 units sold lost) and a further decline in its YTD Market Share with respect to May 2022 (59,8% in June 2022 vs. 60,5% in May 2022, - 0,7 p.p.)

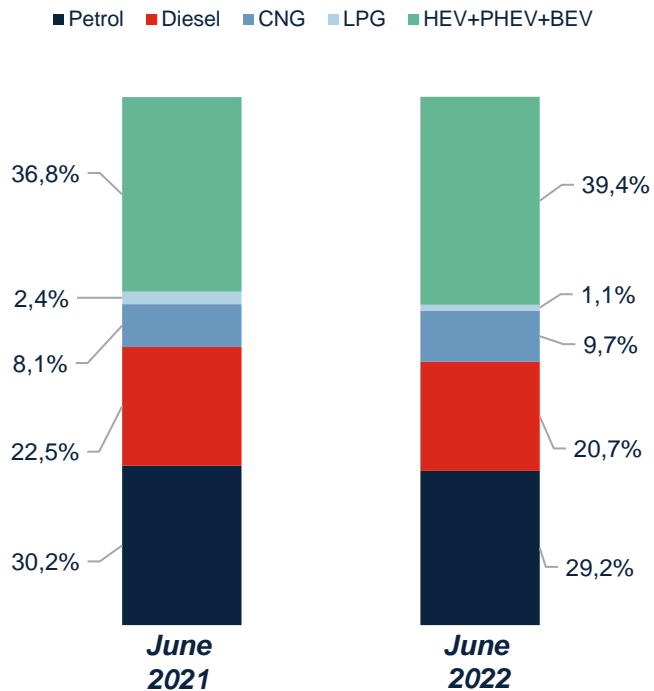
■ **All Fleet subsegments** decreased in **June 2022 vs. 2021 YTD**; the **drop of Captive LTR&STR** (-55,2%) and **STR** (-40,0%) is the most relevant compared to **LTR** (-6,4%). The **Market share of Captive LTR&STR** (0,6% in June 2022 YTD vs 1,0% in June 2021 YTD) and **SRT** (4,5% in 2022 vs 5,8% in 2021) also decreases, while **LTR** market share increase from 17,5% in June 2021 YTD to 21,2% in June 2022 YTD

■ The decline of the **Business segment** registrations in **June 2022 vs. June 2021 YTD** was related **both** to the reduction of **Captive self-registrations** (-31,3% or 24.733 units less sold) and **Companies** registrations (-12,7% or 5.970 units less sold)

Market Share YTD increase / decrease June 2022 / June 2021 (YTD)
 Δ% Volume June 2022 / June 2021 (YTD)



“Fuel Type” mix evolution (Market Share)



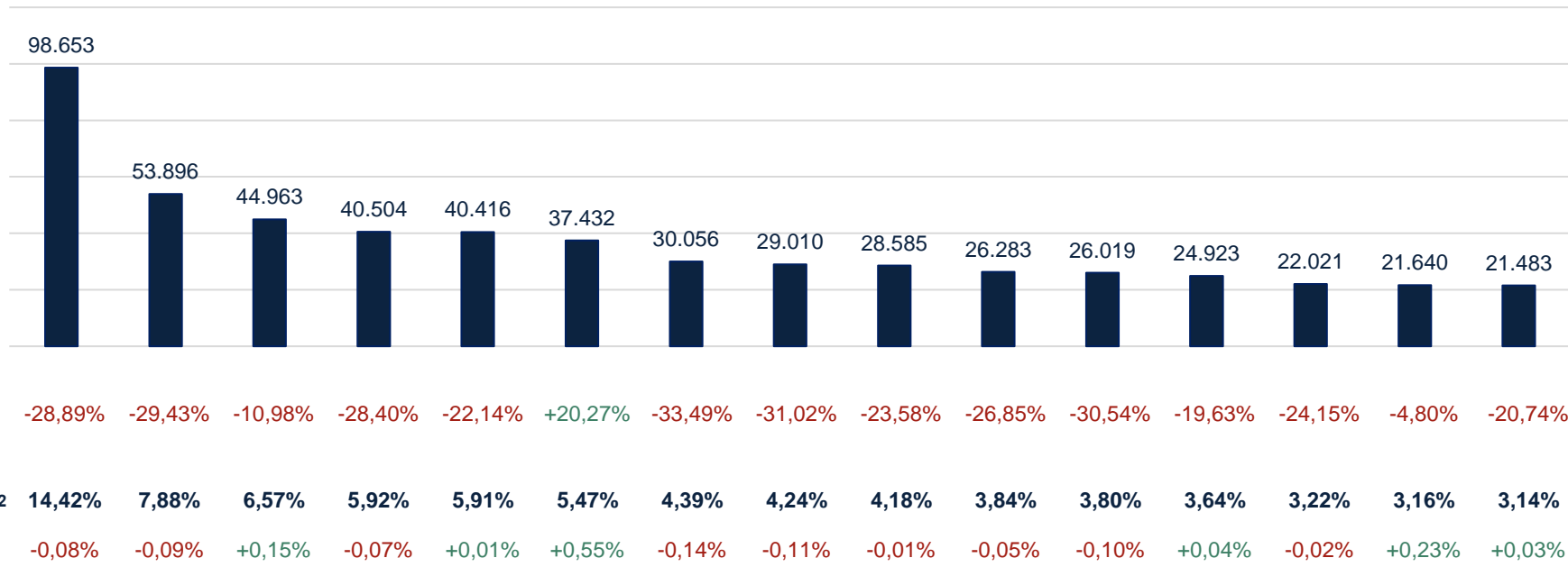
	HEV	PHEV	BEV
MS			
June '21	27,4%	4,7%	4,7%
MS			
June '22	29,1%	5,5%	4,8%
MS Delta			
June '22 vs. '21	+1,7 p.p.	+0,8 p.p.	+0,1 p.p.

- As highlighted in previous months, the **fuel type mix is still shifting** from Diesel and Petrol to **EV**, even though to a **small extent** than in recent years
- In June 2022, compared to 2021, **Petrol** and **Diesel** registered a **loss** in market share (-1,0 p.p. and -1,8 p.p. respectively), although slighter than in May 2022 (-2,6 p.p. and -4,0 p.p. respectively), while **EV** **increased** their market share from 36,8% up to 39,4%, but compared to May 2022 registered a decrease of -3,8 p.p.
- The **mild hybrid vehicles** (HEVs) continue to experience the greatest growth compared to the contribute of **PHEVs** and **BEVs** (incentives could increase their growth as well)

Italy | New car registrations by brand



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

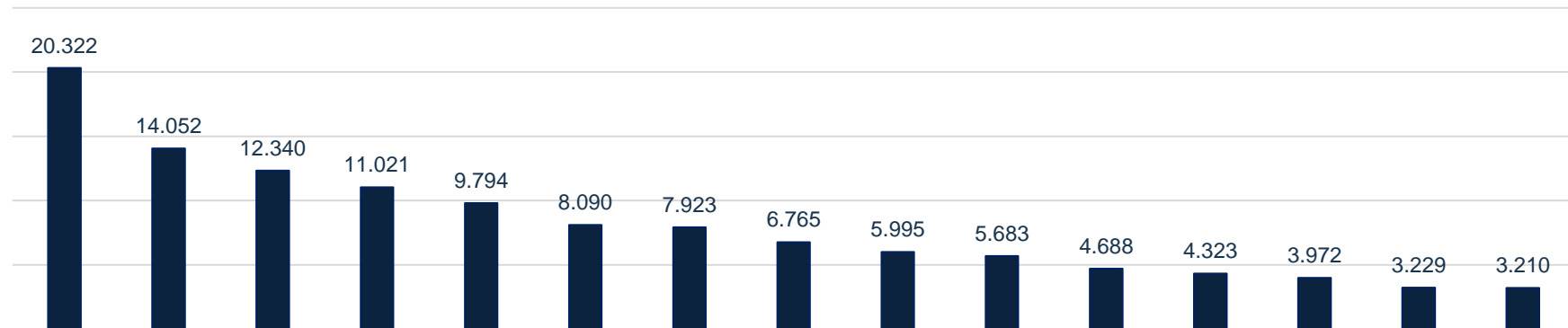


Source: UNRAE

Italy | New car registrations by brand



New car registrations by brand – June 2022 YTD (2/3)



Δ Vol. 22/21: -16,12% -7,38% -27,33% -53,08% +168,62% -24,13% -42,34% -44,06% +94,52% -9,26% -31,49% +26,59% -45,95% -2,24% +31,83%

M.S. '22: 2,97% 2,05% 1,80% 1,61% 1,43% 1,18% 1,16% 0,99% 0,88% 0,83% 0,69% 0,63% 0,58% 0,47% 0,47%

Δ M.S. 22/21: +0,08% +0,20% -0,06% -0,39% +2,49% -0,02% -0,25% -0,28% +1,51% +0,17% -0,10% +0,62% -0,30% +0,27% +0,68%

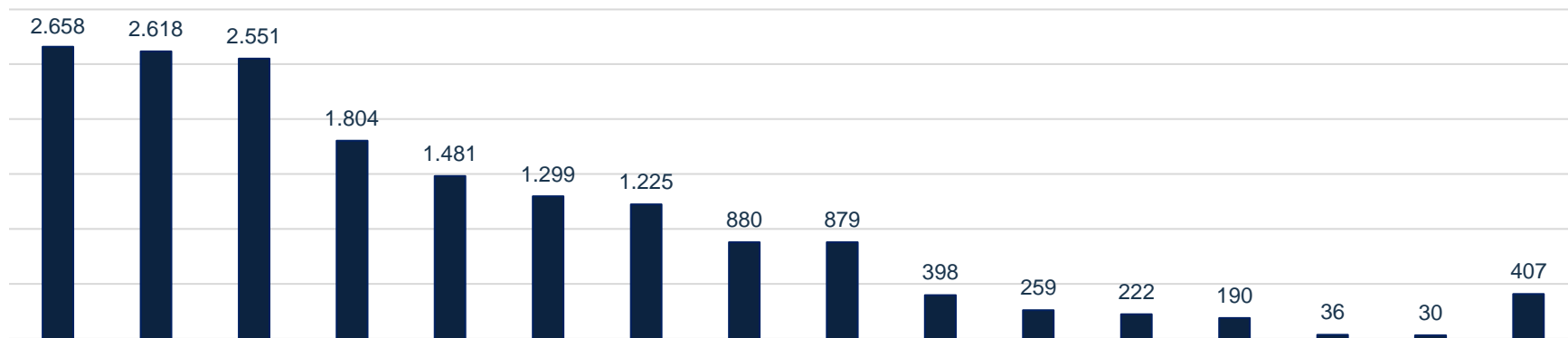


Source: UNRAE

Italy | New car registrations by brand



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



Brand	Δ Vol. 22/21
MG	-
Opel	-34,19%
Tesla	-18,65%
Lexus	-32,99%
Lynk & Co	-
Jaguar	-50,80%
Mitsubishi	-48,27%
Maserati	-1,68%
Subaru	-28,65%
Ferrari	+21,34%
Ssangyong	-46,82%
Acura	-54,97%
Lamborghini	0,00%
Honda	-91,98%
Bentley	+7,14%
Others	+76,20%

Brand	M.S. '22
MG	0,39%
Opel	0,38%
Tesla	0,37%
Lexus	0,26%
Lynk & Co	0,22%
Jaguar	0,19%
Mitsubishi	0,18%
Maserati	0,13%
Subaru	0,13%
Ferrari	0,06%
Ssangyong	0,04%
Acura	0,03%
Lamborghini	0,03%
Honda	0,01%
Bentley	0,00%
Others	0,06%

Brand	Δ M.S. 22/21
MG	+38,00%
Opel	-0,16%
Tesla	+0,06%
Lexus	-0,13%
Lynk & Co	n.a.
Jaguar	-0,37%
Mitsubishi	-0,33%
Maserati	+0,30%
Subaru	-0,07%
Ferrari	+0,50%
Ssangyong	-0,33%
Acura	-0,50%
Lamborghini	+0,50%
Honda	-0,80%
Bentley	n.a.
Others	+1,00%



Source: UNRAE

Italy | New car registrations by group



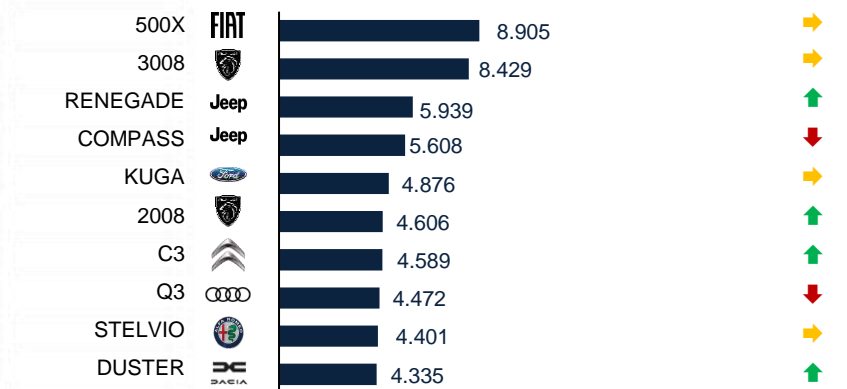
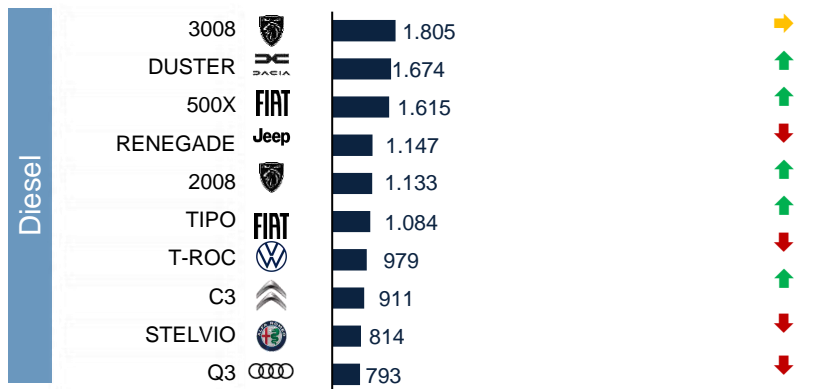
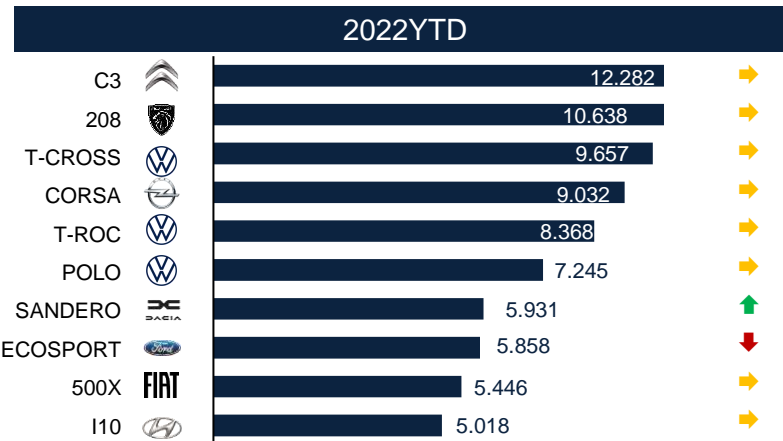
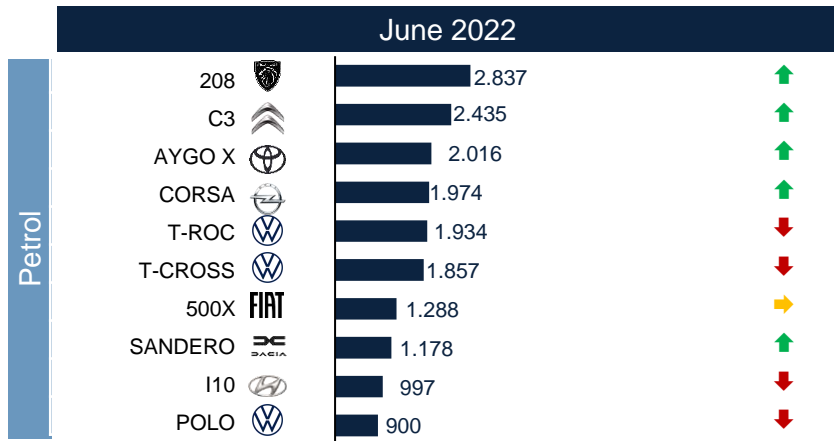
New car registrations by group – Top 15 – June 2022 YTD

	Group	Brand	Volume	Δ% Volume '22 vs '21	Market Share (%)
1	Stellantis		255.073	-27,55%	37,3%
2	Volkswagen		106.627	-27,12%	15,6%
3	Renault		66.442	-9,20%	9,7%
4	Toyota		46.767	-12,09%	6,8%
5	Ford		40.416	-22,14%	5,9%
Top 5: 75,3%					
6	BMW		33.013	-20,78%	4,8%
7	Mercedes-Benz		24.639	-25,36%	3,6%
8	Kia		21.640	-4,80%	3,2%
9	Hyundai		20.322	-16,12%	3,0%
10	Nissan		14.052	-7,38%	2,1%
Top 10: 91,9%					
11	Suzuki		11.021	-53,08%	1,6%
12	DR Motor		9.794	+168,62%	1,4%
13	Volvo		6.765	-44,06%	1,0%
14	Jaguar – L.R.		5.271	-47,23%	0,8%
15	Mazda		4.688	-31,49%	0,7%

Italy | New car registrations by fuel type



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



Source: UNRAE

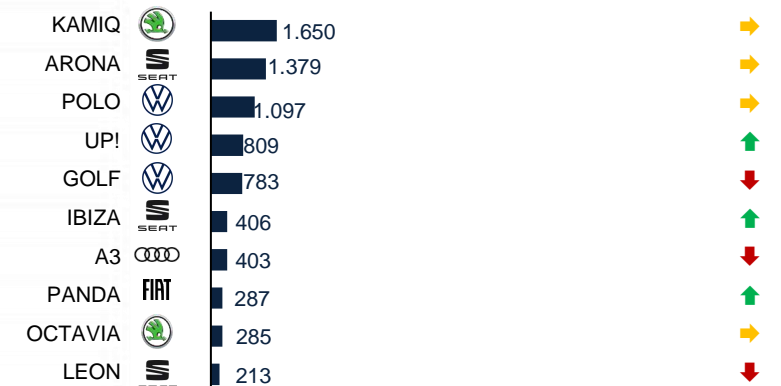
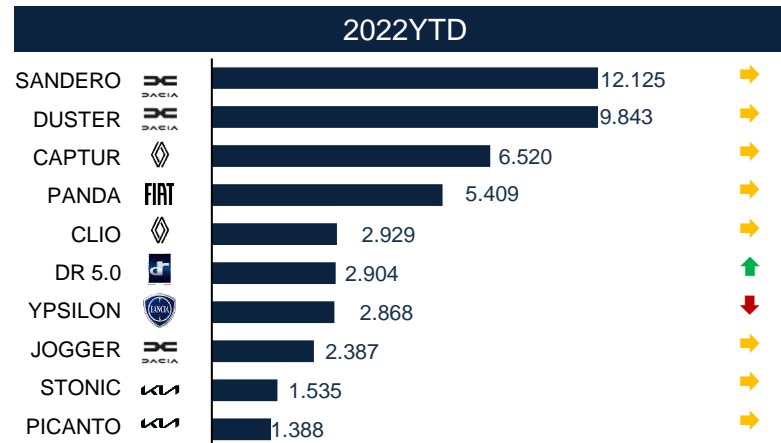
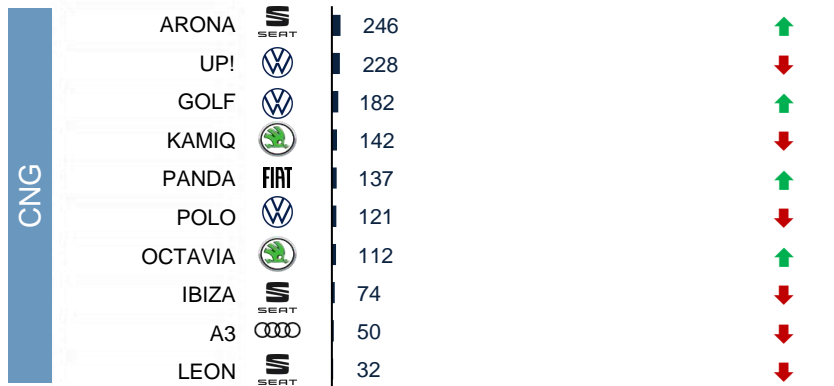
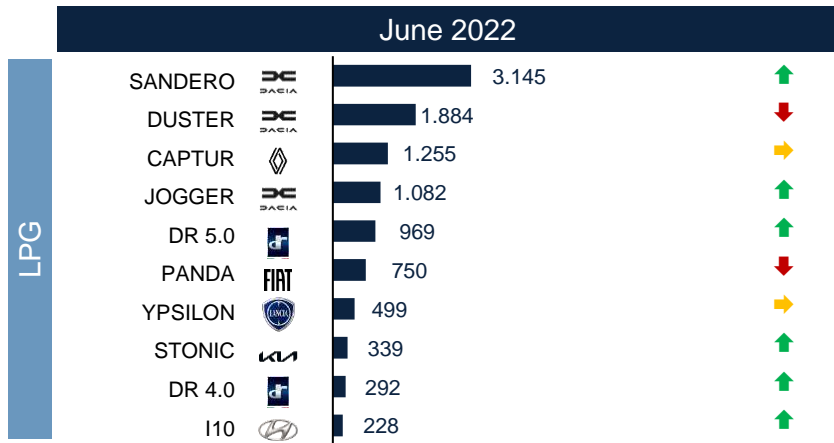


Ranking variation compared to previous period

Italy | New car registrations by fuel type



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



Source: UNRAE

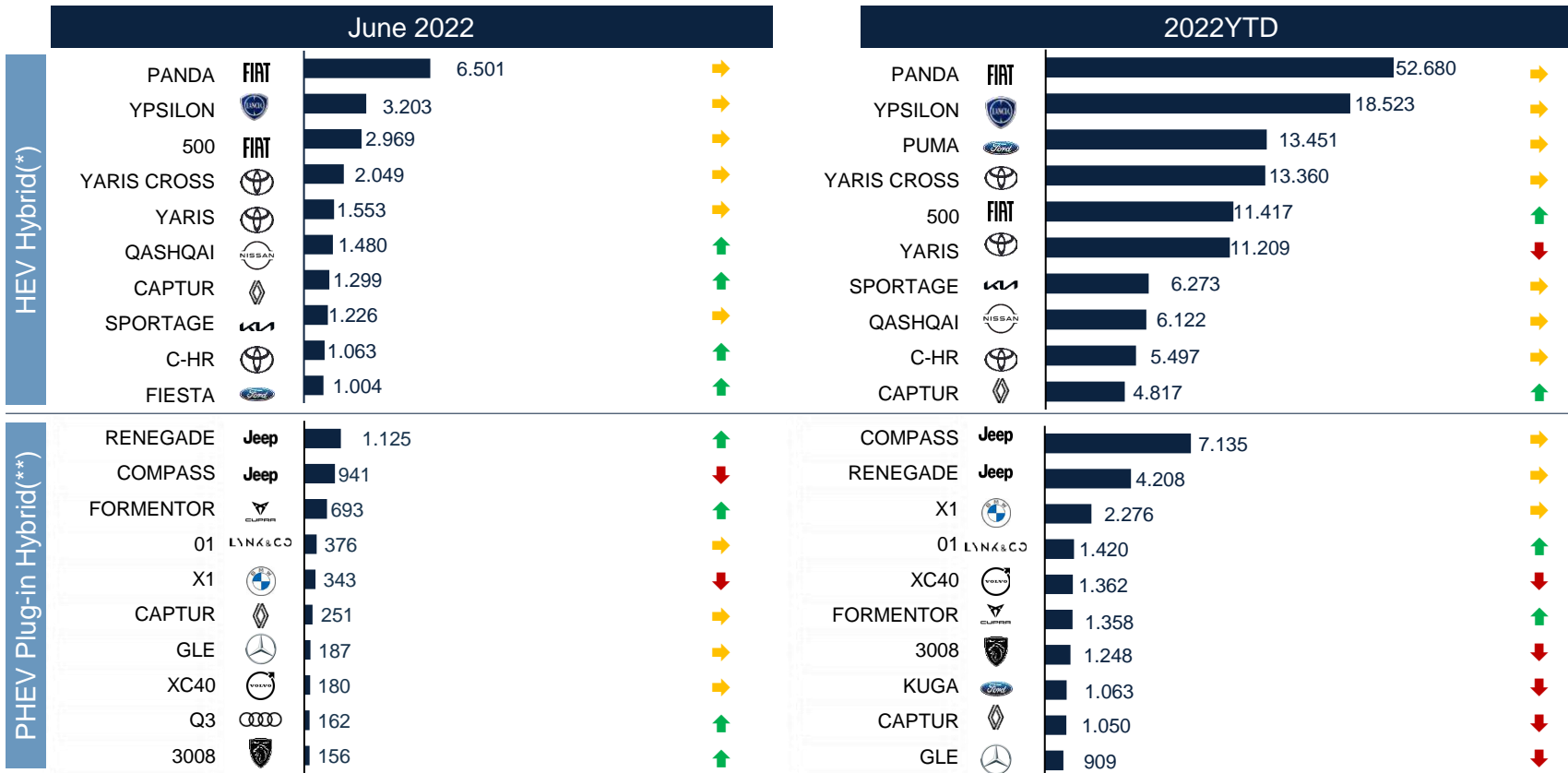


Ranking variation compared to previous period

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)

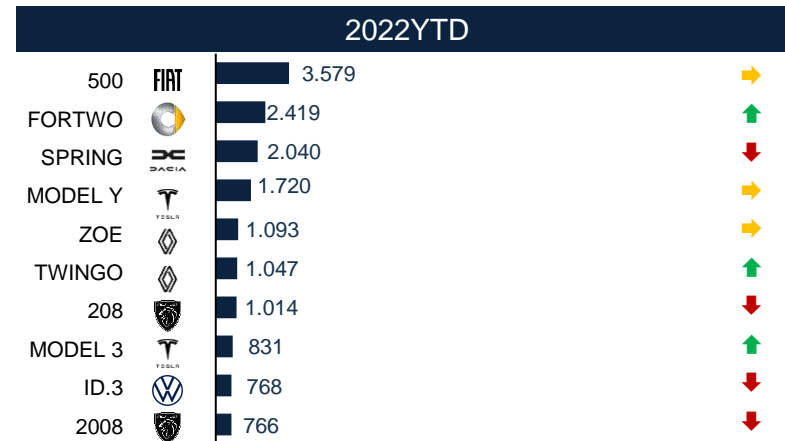
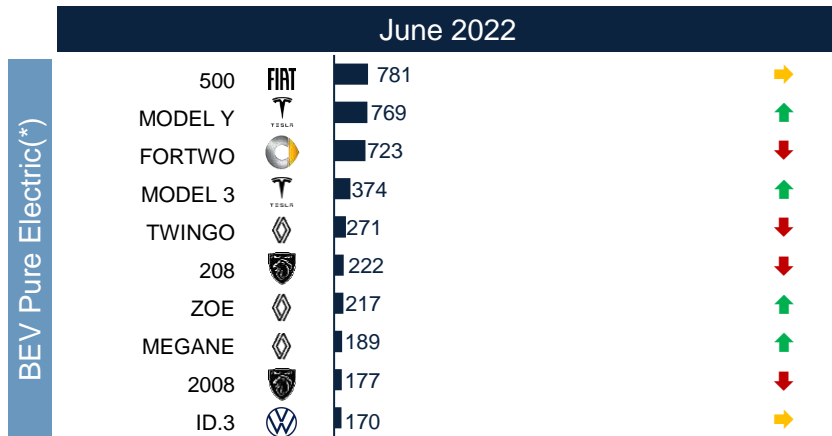


Ranking variation compared to previous period

Italy | New car registrations by fuel type



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

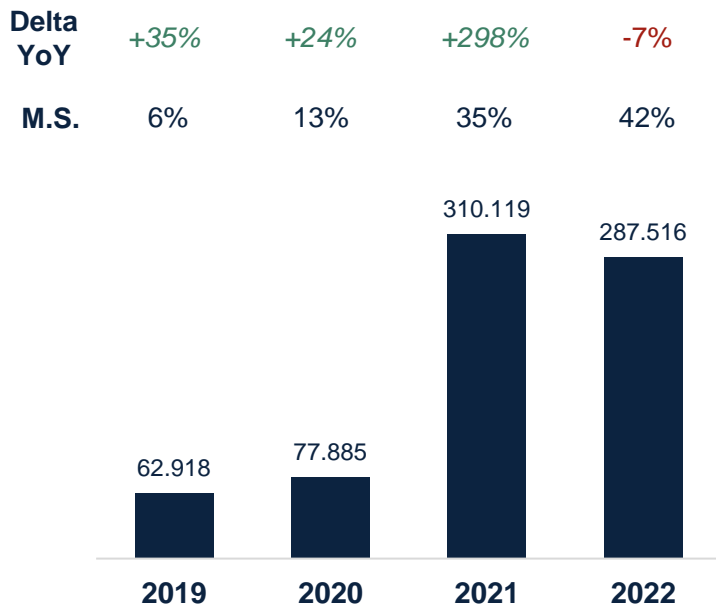


Italy | New car registrations by fuel type

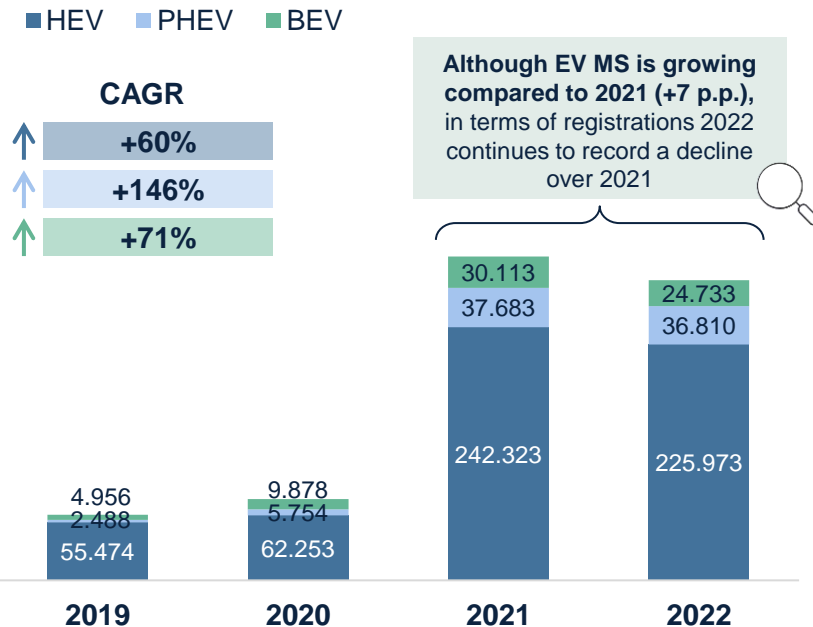


New car registrations of Hybrid vs Pure Electric vehicles

EV Registrations Trend June '22 YTD



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



Italy | New car registrations by segment



Overview of new car registrations by segment

Segments Growth in Market Share*

A
«Utility/City»



-1,8 p.p.

D
«Executive»



-0,2 p.p.

B
«Supermini»



+1,2 p.p.

E
«Luxury»



+0,2 p.p.

C
«Medium»



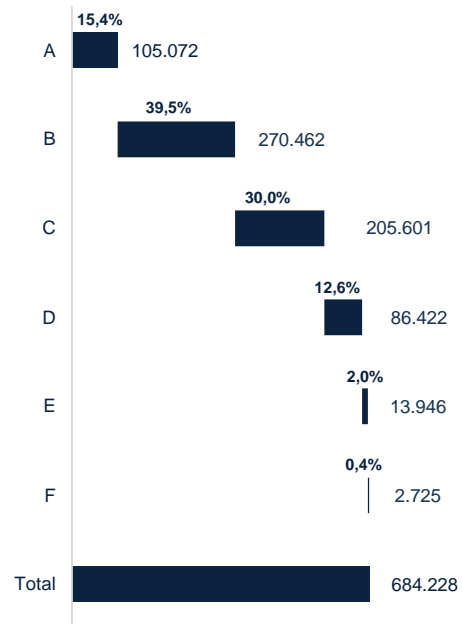
+0,4 p.p.

F
«Ultra Luxury»



+0,1 p.p.

Market Share and Volume**

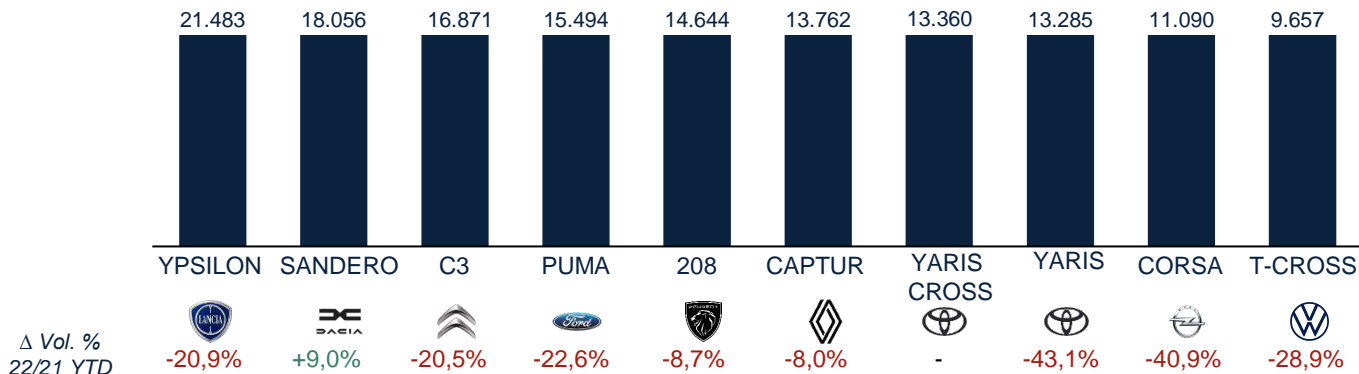
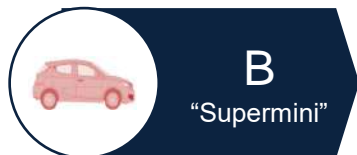
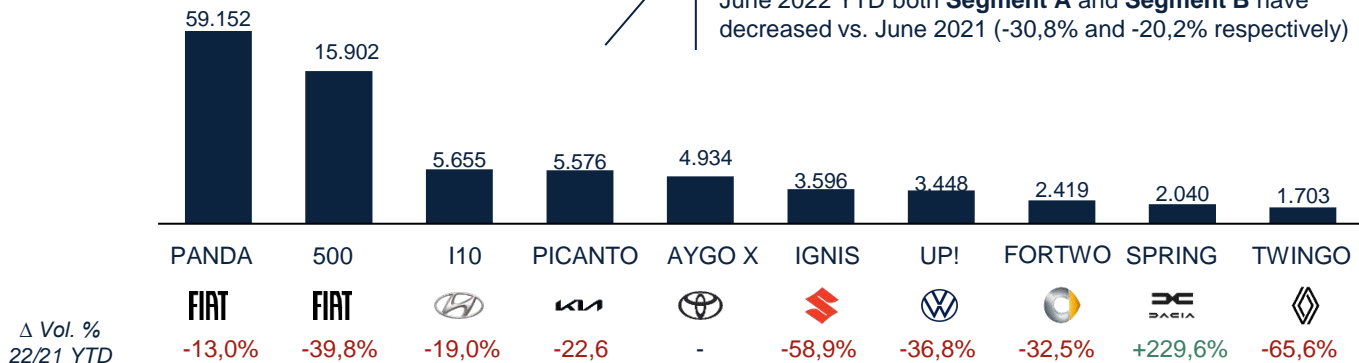


Italy | New car registrations by segment



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

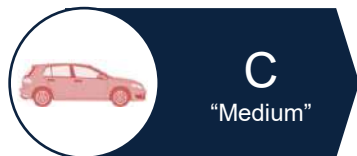
In terms of **MS**, respectively vs June 2021 YTD, **Segment A** has registered a decline (-1,8 p.p.) while **Segment B** has registered an increase (+1,2 p.p.). Considering the volumes, in June 2022 YTD both **Segment A** and **Segment B** have decreased vs. June 2021 (-30,8% and -20,2% respectively)



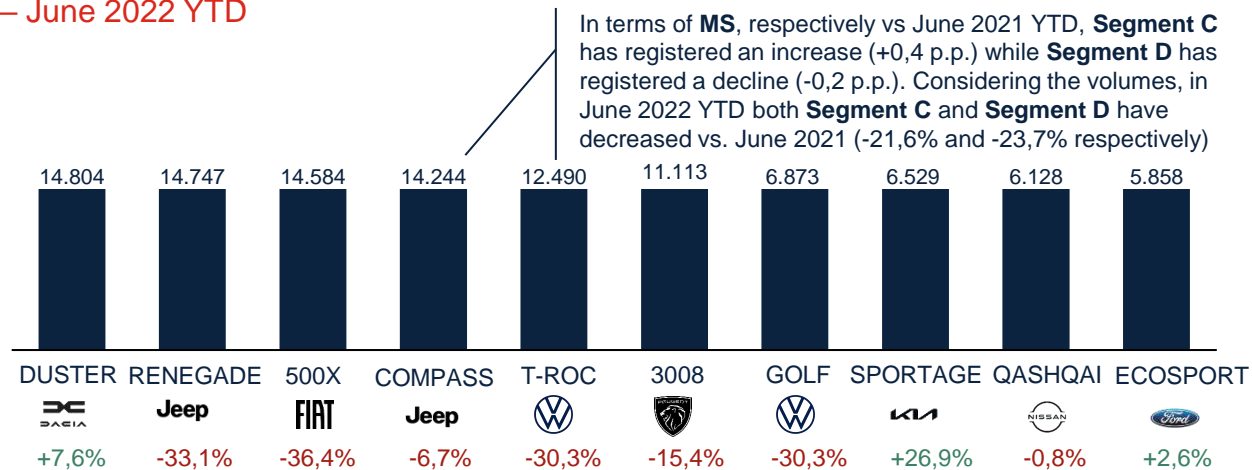
Italy | New car registrations by segment



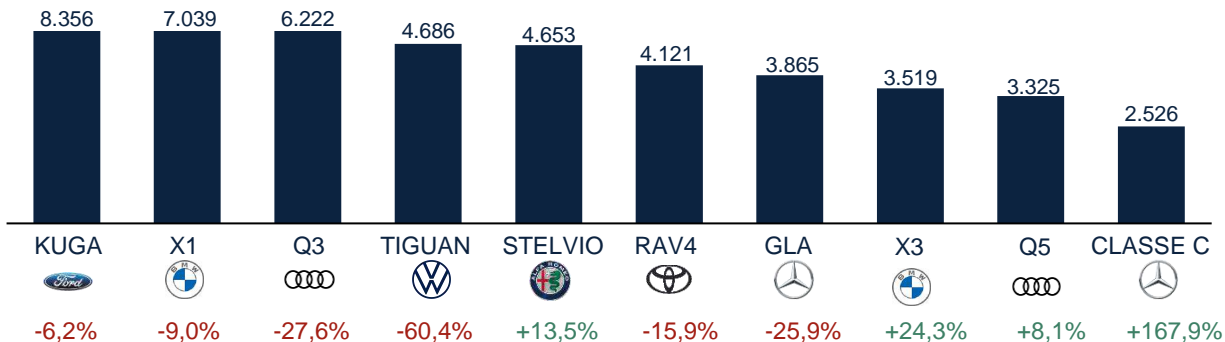
Segment C and Segment D – Top 10 – June 2022 YTD



Δ Vol. %
22/21 YTD



Δ Vol. %
22/21 YTD



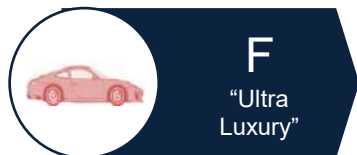
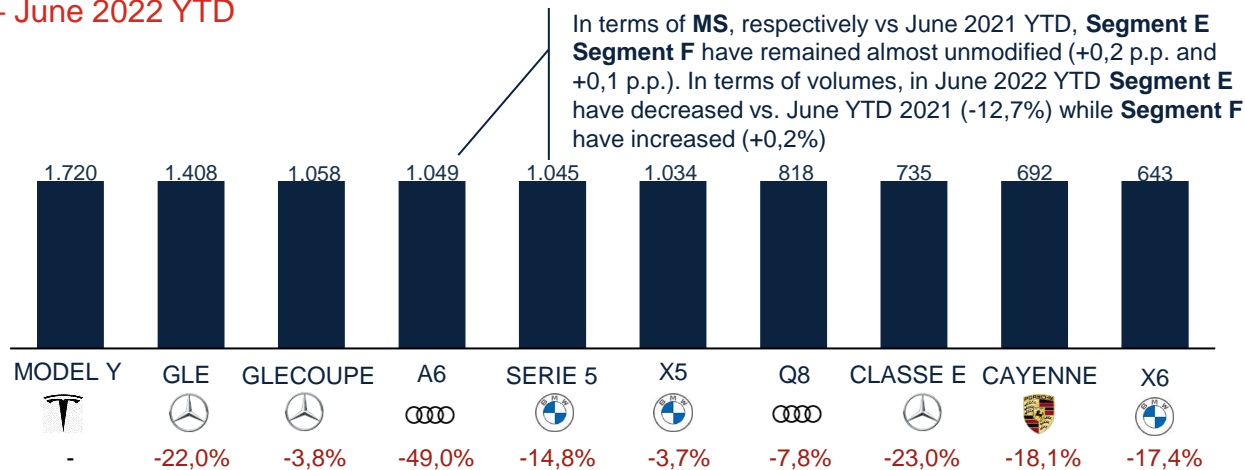
Italy | New car registrations by segment



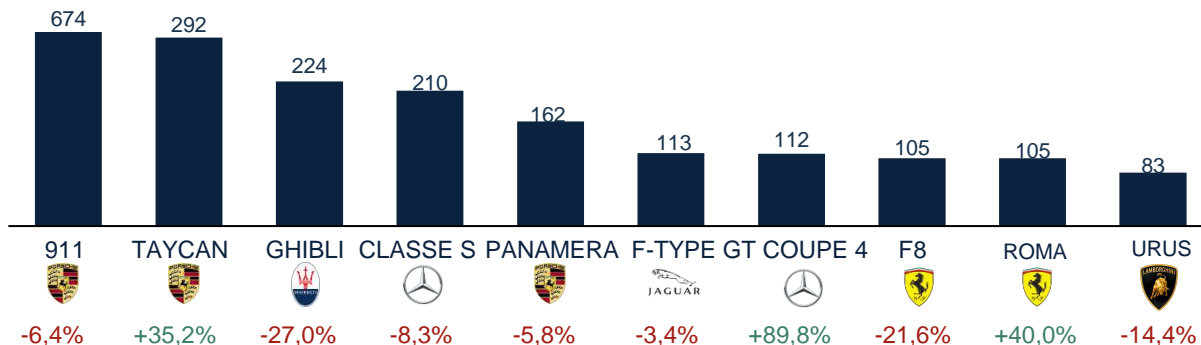
Segment E and Segment F – Top 10 – June 2022 YTD



Δ Vol. %
22/21 YTD



Δ Vol. %
22/21 YTD





01. Europe

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**03. Quarterly special topic.
Where is the market going?**

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Where is the market going?

A BIP look into the crystal ball

Main events
affecting the
industry



Covid-19



Chips and raw materials shortage



Ukrainian war

Main
consequences

- *Prolonged contraction of the market which is struggling to recover after the severe crisis of the beginning of the pandemic*
- *Continuously rising prices because of increases along the automotive supply chain and to protect the financial sustainability of the sector by balancing lower volumes with higher unit margins*
- *Increasing customers purchasing uncertainties due to their lower purchasing power, the very long delivery times and the transition to electric vehicles in an environment still not mature for them*

What should we expect in the coming months?

How we analyze
the future

Car utilization habits

Car parc evolution

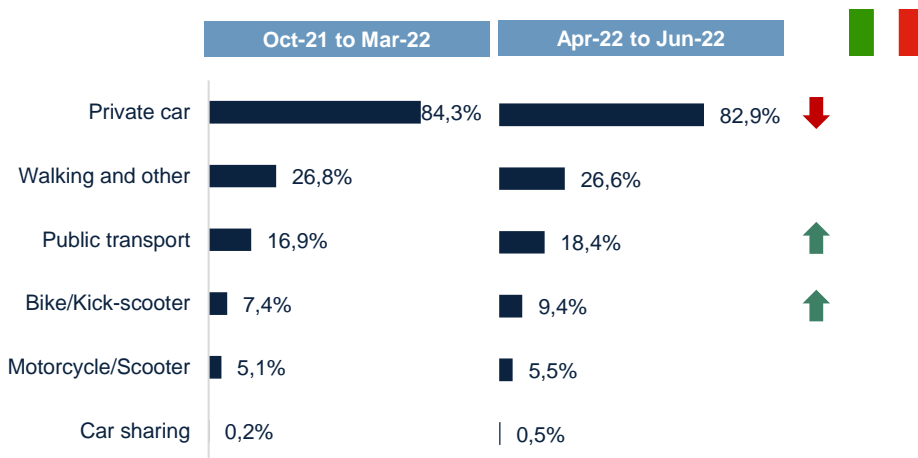
Downsizing effects

Switch to used cars

Where is the market going?

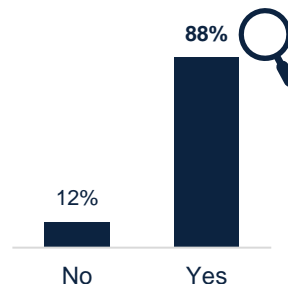
Car utilization habits

Mobility preferences (Multiple choice)

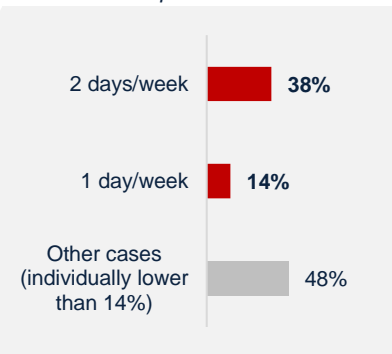


Smart working perspectives

Does the company continue with smart working even after the pandemic?



Companies' smart working continuation plans

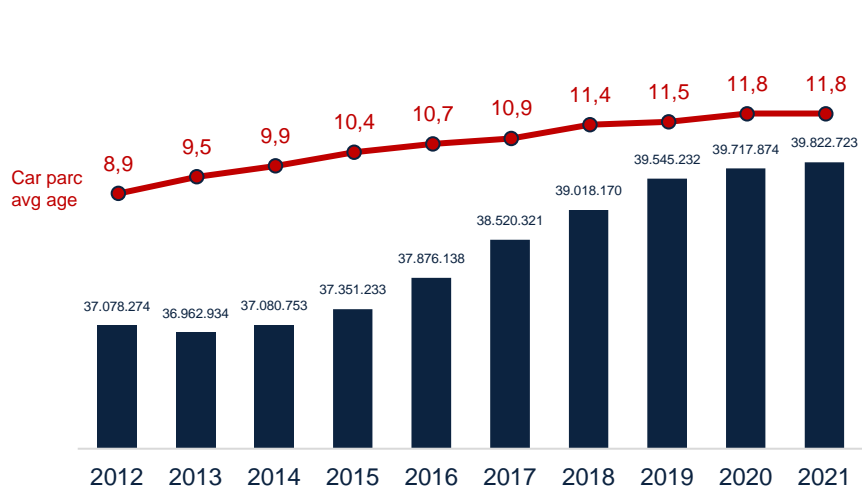


- The smart working effect will continue also after the pandemic **permanently reducing the need to travel from home to work** (with a consequent **reduction of kilometers travelled**)
- In this context **the car will continue to be the reference means of transport**. A **reduction in favour of public transport and micro-mobility solutions** (a trend already visible) could be possible **with the lower risks of the pandemic and due to the strong increase of fuel prices**

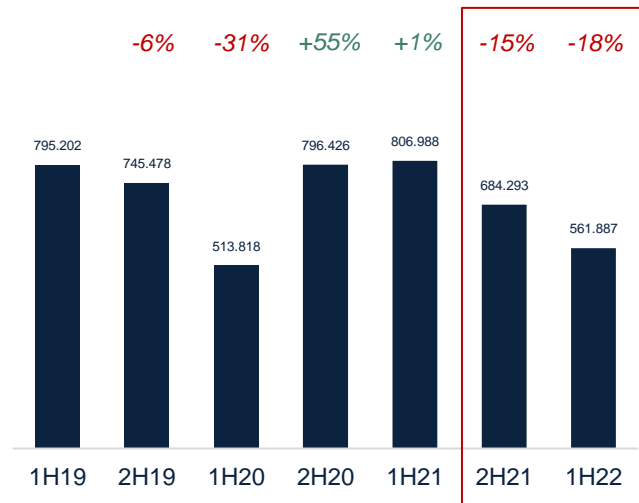
Where is the market going?

Car parc evolution

Italian car parc volume and ageing



Car scrappage – Trend 1H19-1H2022

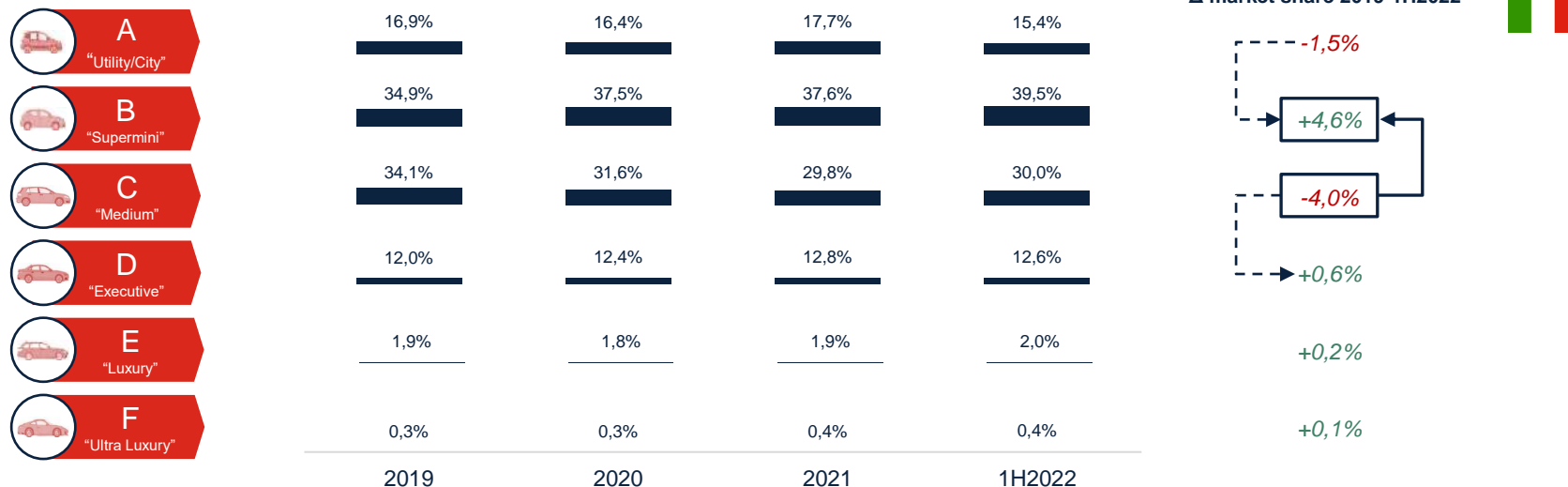


- **The Italians do not seem willing to give up their cars**, as demonstrated by the continuous growth of the car parc
- However, **they are driving older and older cars** with an average age of almost 12 years. **This trend is expected to continue and to be reinforced as demonstrated by the reduction of car scrappage** (cars generally dismissed in the past are now maintained in circulation)

Where is the market going?

Downsizing effects

Car sales breakdown (%) by segment – Trend 2019-1H2022

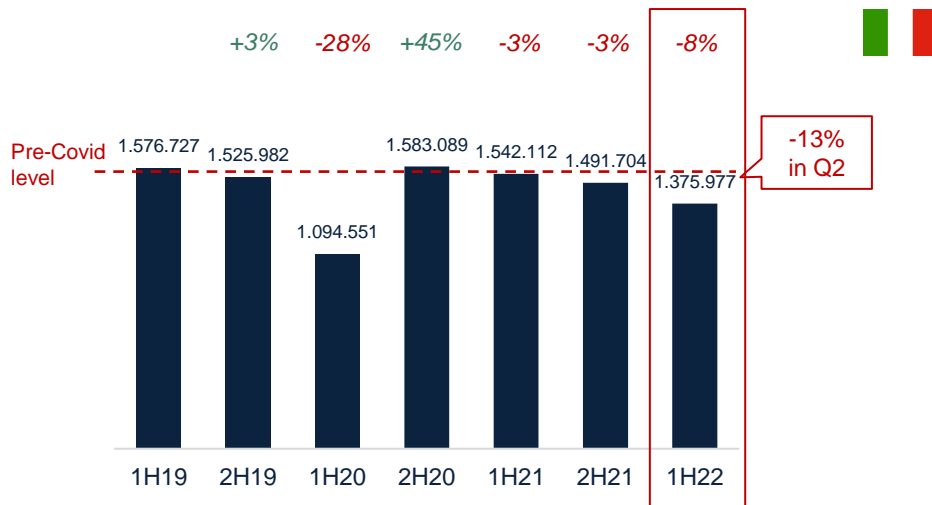


- Compared to pre-Covid situation, **the main movement is a downsizing from C segment to B**
- There are other two movements in the opposite direction however much less significant:
 - from A to B (only in 2022)
 - from C to D

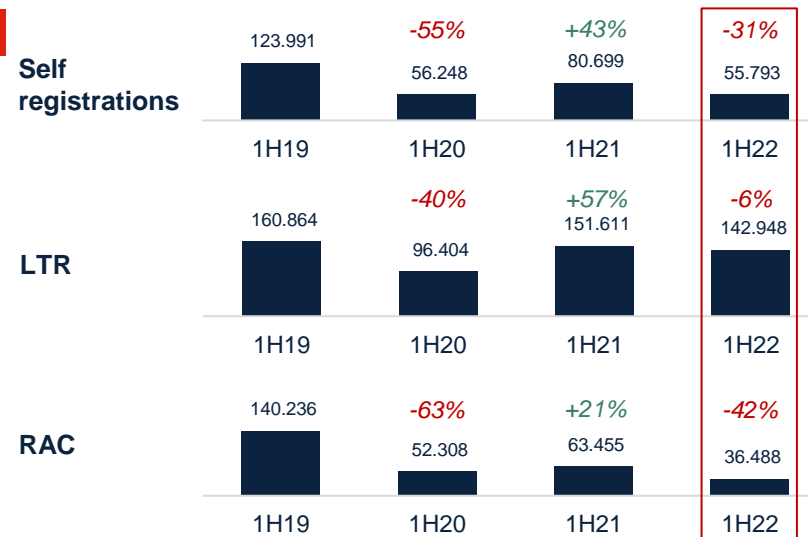
Where is the market going?

Switch to used cars

Used Car Market – Trend 2019-1H2022



Used Car key supply sources – Trend 1H2019-1H2022



- **The positive trend of used car market** (back-up solution since 2021 for customers and dealerships to balance the shortage of new cars and the reduced purchasing power) **seems to be already concluded**
- In 2022 it is strongly suffering mainly due to the **contraction of the most appealing “fresh-used vehicles” supply sources** (self registrations and rentals) **that is expected to affect the business for a long time**



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New Car Models Launches in Italy

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

	A		B		C		D		F		H		
										FIAT			
Jan				Serie 2 Coupé ✓							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								DS7 Crossback ✓					
May													
Jun	Tonale ✓												
Jul				X7 ✓									
Aug													
Sep													Ioniq 5 77Kwh
Oct		DBX Hybrid 		X1 →						Panda 	Ranger 	Civic →	
Nov				M2 ←									
Dec		DBX707 	Q6 e-tron 	ix1 →									Ioniq 6 →



Source: Quattroruote, Motor1

- ✓ Launch Concluded
- Launch Postponed
- ← Launch Anticipated

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

New Car Models Launches in Italy

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

	I	J	K	L	M	N								
Jan			Jeep 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					Urus Evo 									X-Trail
Sep											AMG GT 63 S E 			
Oct											GLC 			
Nov					Aventador 			RZ 				Countryman 		
Dec														

New Car Models Launches in Italy

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

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



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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 13/06/22 to 19/07/2022



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



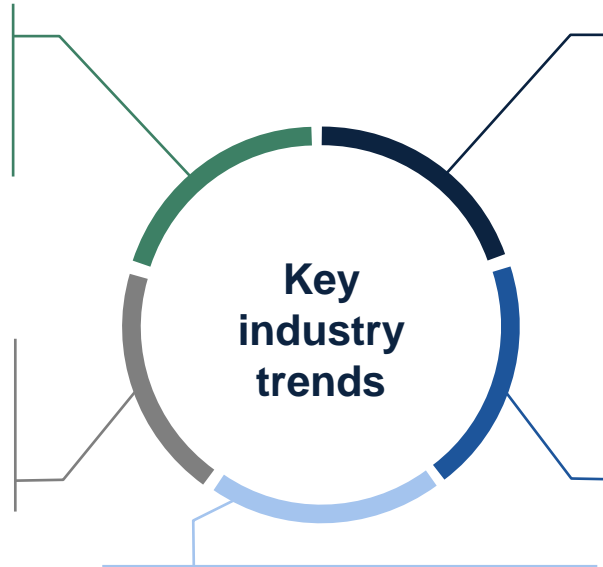
Electrification

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



BMW Group expands BMW Operating System 8, integrates Android Automotive OS

The BMW Group will be expanding its BMW Operating System 8 and **integrating Android Automotive OS (AAOS)** into certain model series for the first time as a second technological approach alongside the current Linux-based variant (...)

<https://www.automotiveworld.com/news-releases/bmw-group-expands-bmw-operating-system-8-integrates-android-automotive-os/>

Renault Group and Atos launch a unique service to collect large-scale manufacturing data and accelerate Industry 4.0

A strategic collaboration to develop and commercialize a unique technology solution to collect and analyze manufacturing data on a large scale (...)

<https://www.automotiveworld.com/news-releases/renault-group-and-atos-launch-a-unique-service-to-collect-large-scale-manufacturing-data-and-accelerate-industry-4-0/>



News on key industry trends

Electrification (1/4)



In-road inductive charging tests demonstrate unlimited EV range

The world's fifth-largest automaker has built and tested a charge-as-you-drive system – a loop of road in Italy with wireless EV charging coils embedded under the surface, so that electric cars can charge as they drive and unlock unlimited range (...)

<https://newatlas.com/automotive/stellantis-road-charging-induction/>

Aehra: a new start-up was born in Italy to produce luxury EVs

Aehra, based in Milan, was created with the aim of producing luxury electric vehicles, thus confronting itself in a market segment in which Tesla, Porsche and Audi, among others, operate.

<https://e-ricarica.it/aehra-nasce-la-start-up-italiana-che-produrra-ev-di-lusso/>

NIO: unveiled a new 500 kW Hpc charging station

At the NIO Power Day 2022 event on July 6, the Chinese company NIO unveiled a new EV charger model with which it expects to further raise the standard in terms of charging speed.

<https://e-ricarica.it/nio-svelata-una-nuova-colonnina-hpc-da-500-kw/>



News on key industry trends

Electrification (2/4)



New approach reduces EV battery testing time by 75%

Testing the longevity of new electric vehicle battery designs could be four times faster with a streamlined approach, researchers at the University of Michigan have (...)

<https://techxplore.com/news/2022-06-approach-ev-battery.html>

Car always charged, how and where you want: Reefilla takes care of it

Reefilla raises one million euros to develop its mobile and predictive charging service. Reefilla has designed and implemented an innovative charging service for electric vehicles that aims to be a flexible and complementary alternative to (...)

<https://www.vaielettrico-it.cdn.ampproject.org/c/s/www.vaielettrico.it/reefilla-raccoglie-un-milione-per-la-sua-ricarica-no-problem/?amp=1>

Honda and Sony Sign Agreement for New EV Joint Venture Brand

The automaker and the tech giant have officially signed a joint venture agreement to create a new company, Sony Honda Mobility Inc., in 2022, with plans for EV sales by 2025. (...)

https://www.caranddriver.com/news/a39324355/honda-sony-ev-agreement/?utm_campaign=socialflowTWCD&utm_medium=social-media&utm_source=twitter&src=socialflowTW



News on key industry trends



Electrification (3/4)

Atlante: two e-Mobility Hubs in Padua with 80 electric vehicle charging points, powered by 100% renewable energy

Atlante announces the award of the tender of the Municipality of Padua and the signing of the related contract for the installation of two innovative parking and electric vehicle charging Hubs 100% powered by renewable energy.

<https://nhoa.energy/documents/atlante-two-e-mobility-hubs-in-padua-with-80-electric-vehicle-charging-points-powered-by-100-renewable-energy/>

Porsche even more electric with Free To X

Never again without recharging is among the mantras Porsche thanks to the agreement with Free To X (company of the Autostrade per l'Italia group dedicated to the development of advanced mobility services).

<https://techgameworld.com/porsche-even-more-electric-with-free-to-x/>

China unveils plans to spur car demand, may extend EV tax break

China announced a raft of new steps to spur consumer demand for cars, saying it would consider extending a tax break for electric vehicles and outlining plans to build more charging stations (...)

<https://www.reuters.com/business/autos-transportation/china-studying-extending-tax-exemption-nevs-commerce-ministry-2022-07-07/>



News on key industry trends

Electrification (4/4)



Volvo Trucks unveils its first hydrogen FCEV

Volvo Trucks, has revealed its first fuel cell electric vehicle. In leveraging hydrogen as its main source of power, Volvo Trucks confirmed that its latest zero-emission semi-truck will have a maximum range of 1000 kilometers (...)

<https://telematicsnews.info/2022/06/23/volvo-trucks-unveils-its-first-hydrogen-fcev/>

PNRR: 530 million to test hydrogen in rail and road transport

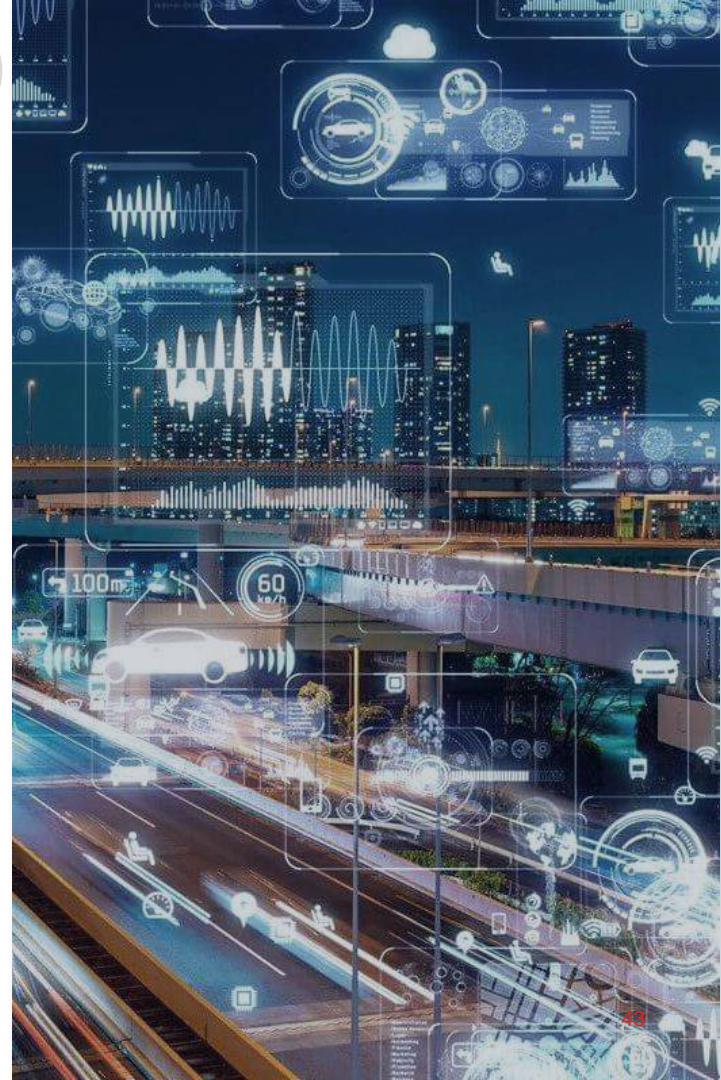
Italy also focuses on hydrogen for the transport sector. Indeed, the Minister of Infrastructure and Mobility Sustainable, Enrico Giovannini, has signed two decrees to carry out the works of the PNRR (...)

<https://allinfo.space/2022/07/02/pnrr-530-million-to-test-hydrogen-in-rail-and-road-transport/>



News on key industry trends

Connectivity



Ford dealers now have access to remote-assistance technology to help get customers back on the road quicker

Two-way, hands-free electronic headset provides real-time visual and audio communication between dealership technicians and team members at the Ford Technical Assistance Center in Dearborn, allowing for more efficient diagnoses (...)

<https://www.automotiveworld.com/news-releases/ford-dealers-now-have-access-to-remote-assistance-technology-to-help-get-customers-back-on-the-road-quicker/>

Valeo Signs deal with BMW to Supply Advanced Driver Assist Hardware

Leading automotive supplier Valeo has entered into a major collaboration with BMW Group to supply the advanced driver assist system (ADAS) domain controller (...)

<https://www.futurecar.com/5489/Valeo-Signs-Major-Deal-with-BMW-to-Supply-Advanced-Driver-Assist-Hardware-for-the-Automakers-Forthcoming-Neue-Klasse-EV-Platform>

News on key industry trends



Mobility Services

Driverless car at the start: from 14 July autonomous driving is no longer outlawed

July 14th will be a historic date for road traffic, but it will not be as revolutionary as July 14th 1789 was for democracy. Article 34-bis will enter into force, adding to the Vienna Convention on traffic the concept of “autonomous driving system” (...)

<https://europe-cities.com/2022/07/05/driverless-car-at-the-start-from-14-july-automatic-driving-is-no-longer-outlawed/>

Magic asphalt for electric cars, induction charging is ready

The induction charging technology for electric cars Dynamic Wireless Power Transfer (Dwpt), has just been presented in Chiari (Bs), by the president of A35 Brebemi (...)

<https://www.breakinglatest.news/entertainment/magic-asphalt-for-electric-cars-induction-charging-is-ready/>

Bari: first among southern Italian cities in MaaS4Italy call

Bari gets a funding of 2,500,000 € out of a total project estimated at 3,798,850 €, ranking first among the cities in the southern regions, within the National Recovery and Resilience Plan (...)

<https://www.ttsitalia.it/bari-prima-tra-le-citta-dl-mezzogiorno-nel-bando-maas4italy-2-500-000-euro-per-realizzare-la-prima-infrastruttura-tecnologica-a-supperto-della-mobilita-integrata/>



News on key industry trends

Sustainability



Shell to start construction of renewable hydrogen plant in Netherlands

Shell Plc said on Wednesday it would start building a renewable hydrogen plant in the Netherlands, which according to the energy giant will be Europe's largest once it is operational in 2025 (...)

<https://www.reuters.com/business/energy/shell-start-construction-renewable-hydrogen-plant-netherlands-2022-07-06/>

Car and van CO2 targets: Charging infrastructure essential to meet member state ambition

To meet the extremely ambitious CO2 reduction goals agreed last night by European environment ministers, the European Automobile Manufacturers' Association (ACEA) is calling for drastic action (...)

<https://www.automotiveworld.com/news-releases/acea-car-and-van-co2-targets-charging-infrastructure-essential-to-meet-member-state-ambition/>

Elli & Mitnetz Strom start trial smart charging project in Germany

In a joint pilot project, German companies Elli and Mitnetz Strom have started tests to optimised charging strategies. The project aims to achieve efficient interaction between the electricity grid and electromobility with electric cars from the VW Group.

<https://www.electrive.com/2022/06/21/elli-mitnetz-strom-start-trial-smart-charging-project-in-germany/>



Thank you.

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