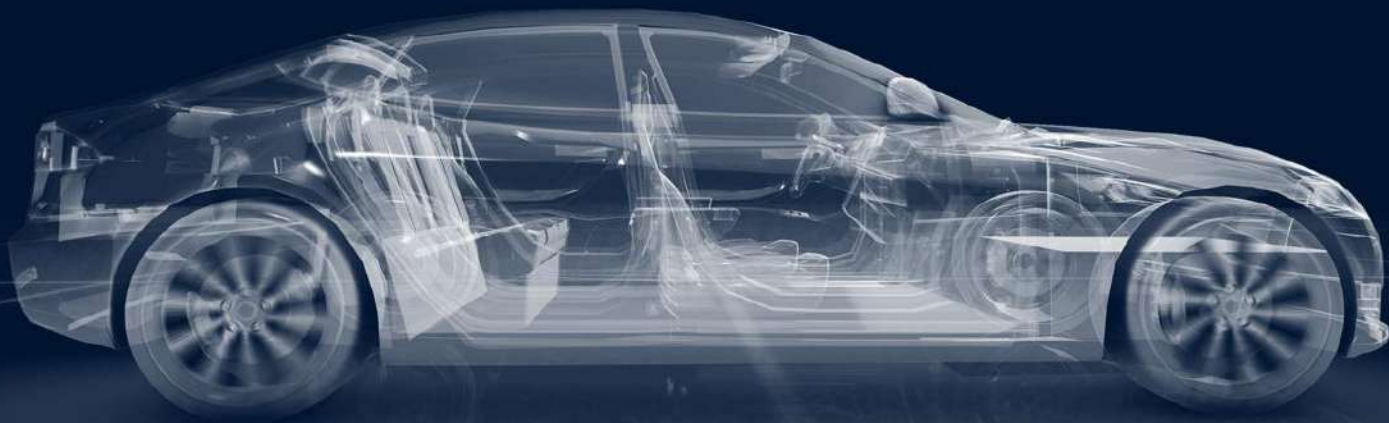


BIP AutoObserver

Analysis of new car registrations

November 2022



Executive Summary

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



Europe*

+17,4%

Top Countries by growth of new registrations: 24 countries grew in November 2022 compared to November 2021, the highest rates for Latvia (+73,6%), Portugal (+39,4%) and Iceland (+33,8%). On a YTD base only 9 countries grew, double-digit increase for Iceland (+31,8%), Bulgaria (+17,2%) and Latvia (+16,4%)

Top 3 Countries by market share: Germany 22,9% (+0,8 p.p.), United Kingdom 14,6% (+0,4 p.p.) and France 13,4% (-0,4 p.p.) in November 2022 YTD compared to November 2021 YTD.

Brands: among the **Top 15 by volume**, highest growth in November 2022 respect to November 2021 for Audi (+59,6%), Ford (+49,2%) and Volkswagen (+44,4%). Considering YTD only Dacia (+16,5%), Kia (+8,2%), Toyota (+6,7%), Hyundai (+1,0%) and Audi (+0,3%) registered an increase

Premium brands:** Audi is the only brand that increased both in monthly (+59,6%) and YTD (+0,3%), while **BMW** (+15,0%) and **Mercedes-Benz** (+5,2%) grew in November 2022 but are still below 2021 on a YTD basis (-8,6% and -2,8% respectively)



Italy

+14,7%

Areas monthly results: North-East +14,1%, North-West +20,2%, Center +18,9%, South +3,7% and Islands -3,9%, comparing November 2022 to November 2021

Customer segments: Retail +0,6%, Fleet +66,2% and Business +3,1% November 2022 vs November 2021

Brands: considering YTD results, among the **Top 15 by volume** only Dacia and Toyota grew (+9,5% and +6,5% respectively); all the other brands registered a drop, the highest for Renault (-22,0%) and Jeep (-21,7%)

Premium brands:** Audi (+83,9%), Mercedes-Benz (+26,9%) and BMW (+25,3%) registered an increase in November 2022 compared to November 2021. On a YTD basis BMW, Audi and Mercedes-Benz fell less than the overall market (respectively -9,8%, -6,7% and -3,3% vs -11,6%)



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* – November 2022

European Markets*
new car registrations

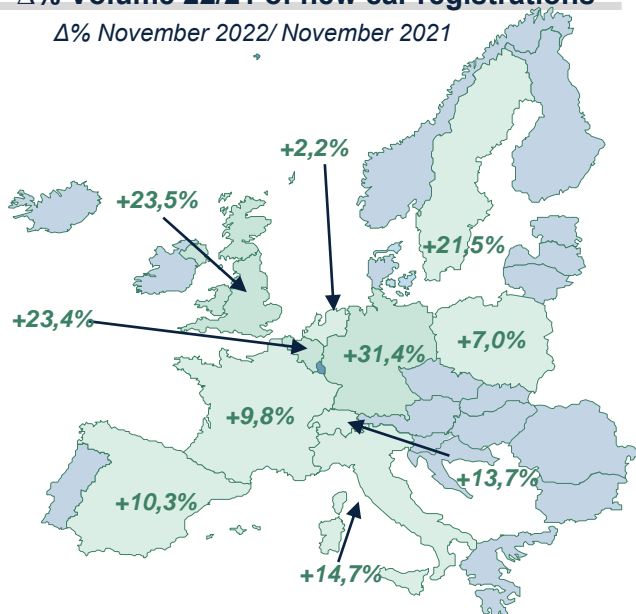
| | |
|------|-----------|
| 2021 | 864.046 |
| 2022 | 1.014.630 |

+17,4%



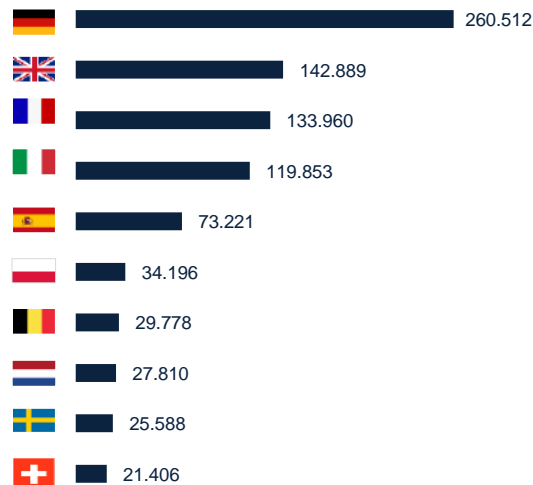
Δ% Volume 22/21 of new car registrations

Δ% November 2022/ November 2021



Number of EU new car registrations 2022

New car registration November 2022



! Highlights

- The European market (EU+UK+EFTA) had an increase in **registrations** from 864.046 in November 2021 to 1.014.630 cars in November 2022.
- In line with the 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:
 - Germany (+31,4%)
 - United Kingdom (+23,5%)
 - Belgium (+23,4%)
- Considering the top 10 by volume all countries registered an increase in November 2022 compared to the same month of 2021

Europe | Market Overview

Top 10 European Markets* – November 2022 YTD

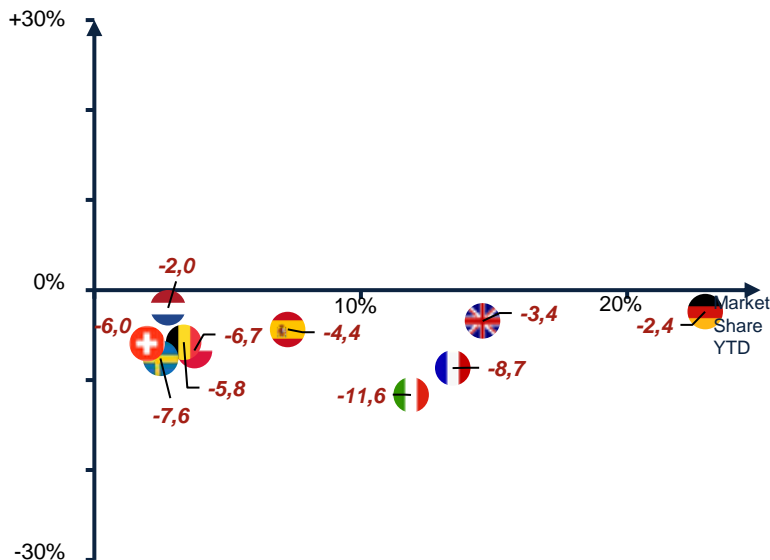
European Markets*
new car registrations

| | |
|------|-------------------------|
| 2021 | 10.824.193 |
| 2022 | 10.196.115 -5,8% |



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

Δ % Volume November 22/21



| # | Country | MS November 2022 YTD | Δ VS 2021 | Sales Volume November 2022 YTD |
|----|---------|----------------------|-----------|--------------------------------|
| 1 | GER | 22,9% | -2,4% | 2.337.039 |
| 2 | UK | 14,6% | -3,4% | 1.485.601 |
| 3 | FRA | 13,4% | -8,7% | 1.371.008 |
| 4 | ITA | 11,9% | -11,6% | 1.211.769 |
| 5 | SPA | 7,3% | -4,4% | 739.469 |
| 6 | POL | 3,8% | -6,7% | 382.877 |
| 7 | BEL | 3,4% | -5,8% | 341.719 |
| 8 | NET | 2,8% | -2,0% | 281.383 |
| 9 | SWE | 2,5% | -7,6% | 252.611 |
| 10 | SWI | 2,0% | -6,0% | 201.197 |

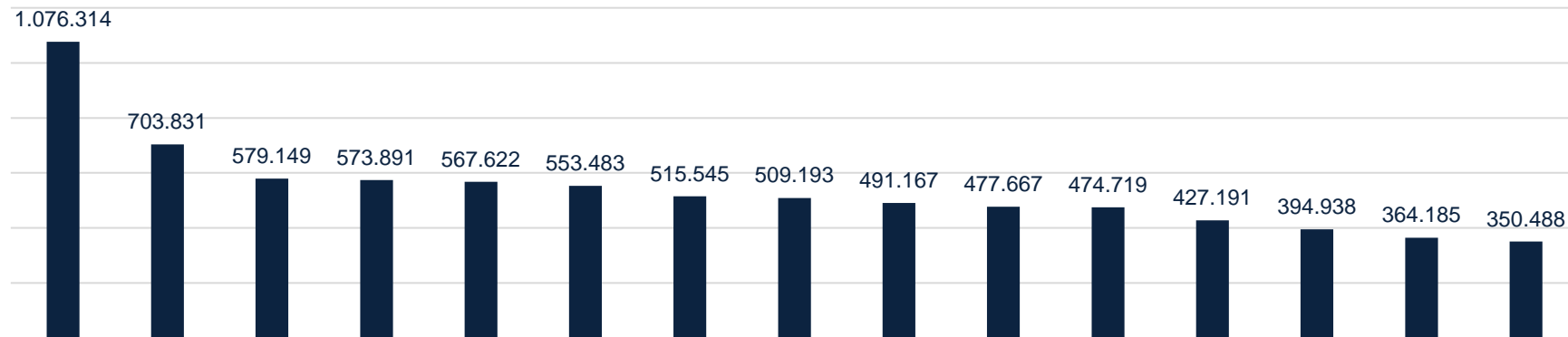
! Highlights

- Up to November 2022, **10.196.115 units** were registered in the European passenger cars market, with a **decrease of -5,8%** compared to the same period of 2021. The gap vs 2021 is reducing thanks to the positive results of the last 4 months
- Only 9 out of 30 countries registered an **increase** (Iceland confirmed the highest increase with +31,8%), none of them in the top 10 for registrations. 21 countries recorded a **decrease**; considering the top 10 by volume, double-digit drop only for Italy (-11,6%)

Europe | New car registrations by brand



Top 15 – November 2022 YTD



| | | | | | | | | | | | | | | | |
|--------------|--------|---------|--------|--------|--------|--------|---------|---------|--------|--------|--------|---------|--------|---------|---------|
| Δ Vol. 22/21 | -9,6% | +6,7% | -8,6% | -13,6% | -2,8% | +0,3% | -15,7% | +8,2% | -9,6% | +1,0% | -1,8% | +16,5% | -12,4% | -17,9% | -15,4% |
| MS '22 | 10,6% | 6,9% | 5,7% | 5,6% | 5,6% | 5,4% | 5,1% | 5,0% | 4,8% | 4,7% | 4,7% | 4,2% | 3,9% | 3,6% | 3,4% |
| Δ MS 22/21 | -3,98% | +13,30% | -2,98% | -8,23% | +3,19% | +6,46% | -10,48% | +14,87% | -4,03% | +7,20% | +4,23% | +23,72% | -6,99% | -12,82% | -10,23% |



Source: ACEA

(*) Opel includes Vauxhall New Car Registrations



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. New car models launches in Italy

04. News on key industry trends



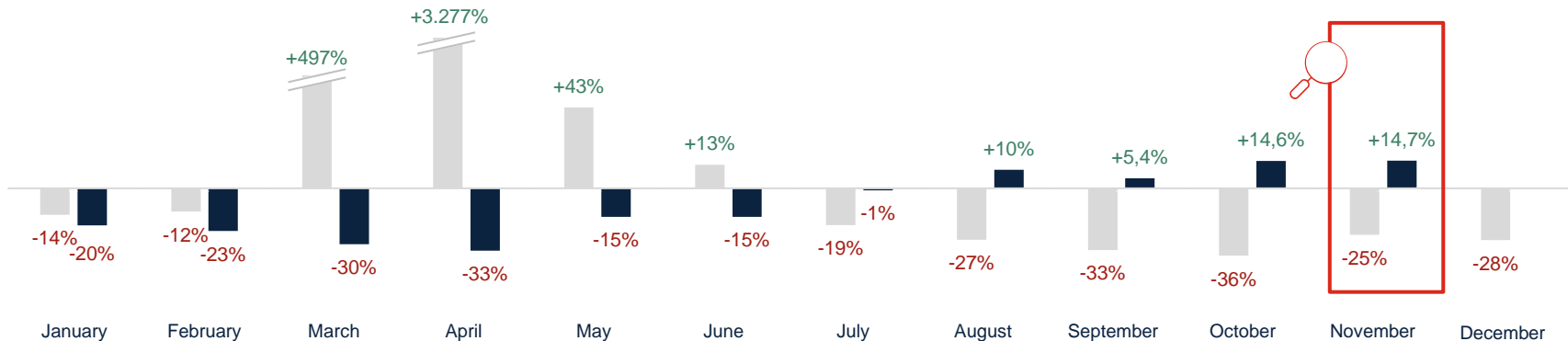
Italian Market – Variation of new car registrations 2022 vs 2021

November 2022 Highlights

November 2022 consolidates the trend reversal (fourth consecutive monthly increase in new registrations) with 119.853 new cars sold, **+14,7%** compared to the same month in 2021. After these last four months, the **positive trend** in the Italian market appears **consistent** and also concerns the other Western European countries, showing a **recovery from the crisis**. Two main factors are helping production and demand: the mitigation of semiconductor supply shortage and the medium-term effect of government incentives. However, despite the positive trends of last months, the **YTD result is still negative: -11,6%** of new cars compared to 2021 (a greater gap if compared with 2019: -31,8%).

Fleets continue to **grow** in terms of **market share** with **positive results** both **monthly** and **YTD**, as well as Petrol and LPG in terms of monthly Market Share. After two months of decline, the **EVs** market share showed a recovery in November; it should be noted that this trend is still mainly driven by **HEVs** (+2,3 p.p.) and **PHEVs** (+0,2 p.p.), while **BEVs** experienced a decrease (-2,3 p.p.).

Geographically, the highest growth (double digits) is confirmed in **central-northern** Italy. November 2022 is a month of positive results for **almost all brands with the best results in the top 10 by volume for Audi, Toyota and Peugeot**, but with important exceptions as Fiat -7,8% and Renault -10,8%



■ 2021/2020 ■ 2022/2021

Italy | Market Overview

Italian Market – November 2022 vs November 2021

Italy New Car Registrations

2021
2022

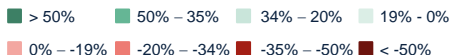
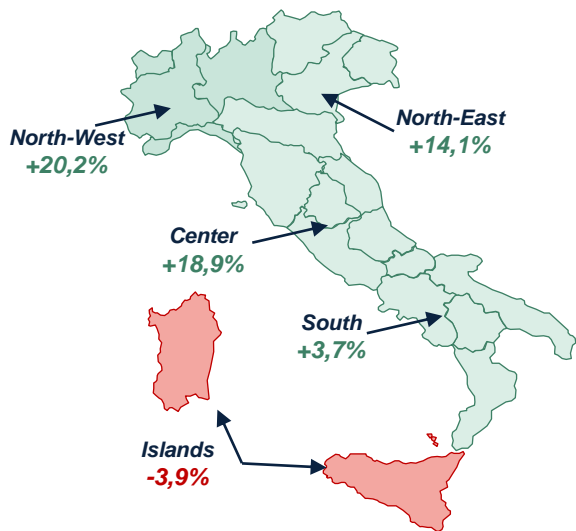
104.519
119.853

+14,7%



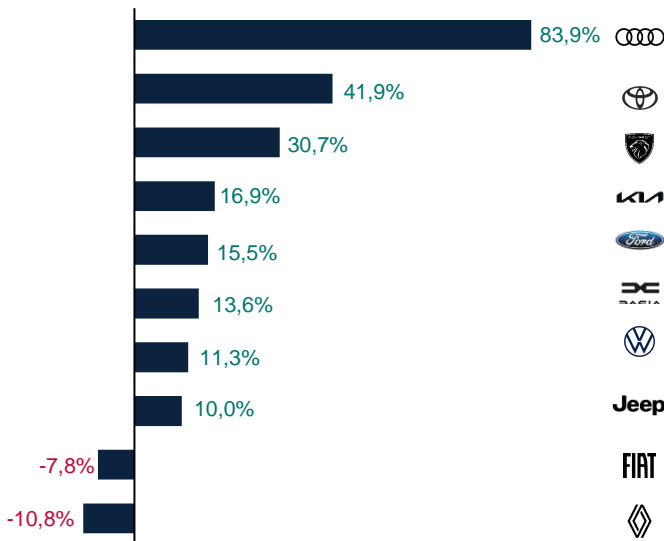
Δ% Volume 22/21 of New Car Registrations

Δ% November 2022/ November 2021



Growth of Top 10 Brands by Volumes

Δ% November 2022/ November 2021



! Highlights

- In **November 2022**, the Italian market showed again a positive sign with an increase of +14,7% compared to November 2021
- The highest growth** for **Audi** (+83,9%) and **Toyota** (+41,9%), in line with the last month
- Considering the top 10 brands by volume, only 2 out of 10 recorded a **drop**, **Fiat** (-7,8%) followed by **Renault** (-10,8%).
- In November, **growth** was recorded **mainly in central-northern Italy**, particularly in the North-West. The only exception concerned the Island, which showed a **decrease** of -3,9%, but with an improving trend considering the results of the previous months.

Italy | Market Overview

Italian Market – November 2022 YTD vs November 2021 YTD

Italy New Car Registrations (YTD)

2021

1.371.315

-11,6%



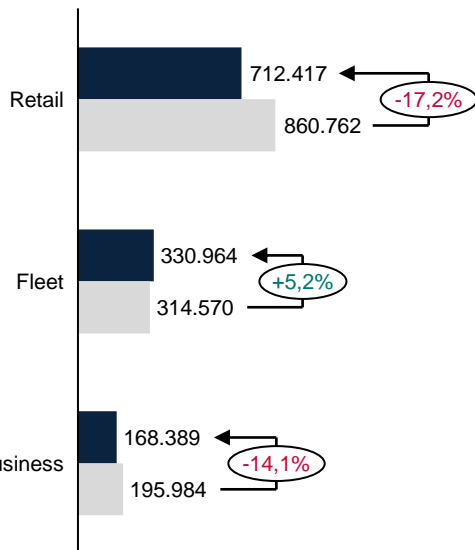
2022

1.211.769

Analysis by “Customer Segment”

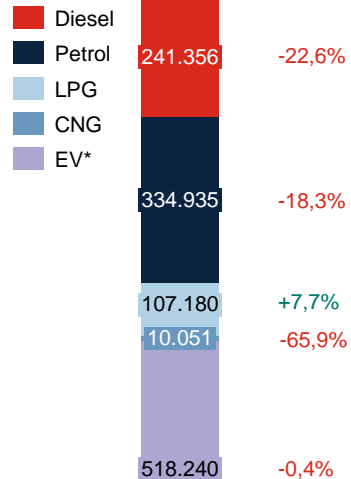
Registration YTD ‘22/’21

2021 2022



Analysis by “Fuel Type”

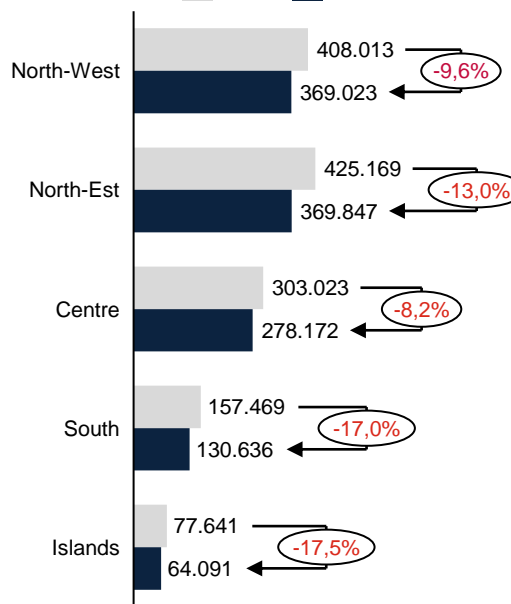
Registration YTD ‘22



Analysis by “Geographical Area”

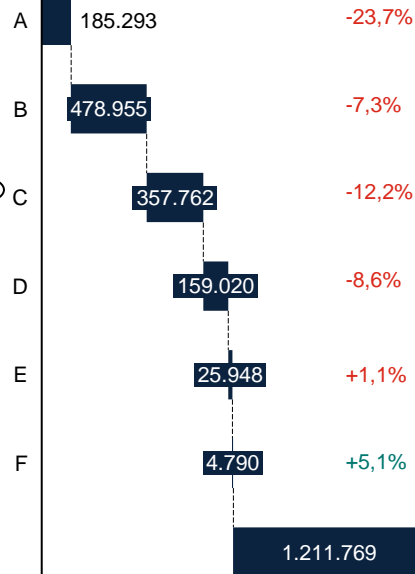
Registration YTD ‘22/’21

2021 2022



Analysis by “Car Segment”

Registration YTD ‘22/’21



Source: UNRAE

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

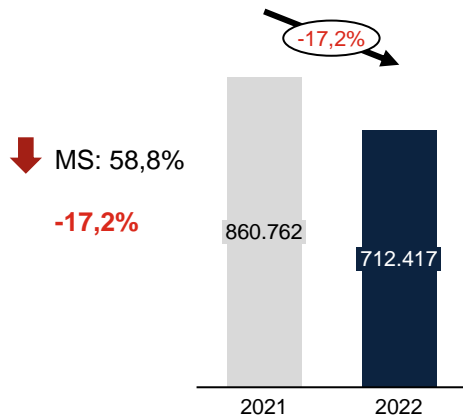
Italy | Market Highlights

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

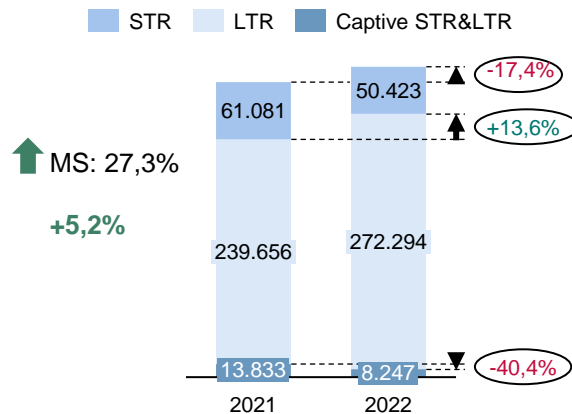
Italy New Car Registrations (YTD)

| | | | |
|------|-----------|--------|--|
| 2021 | 1.371.315 | -11,6% | |
| 2022 | 1.211.769 | | |

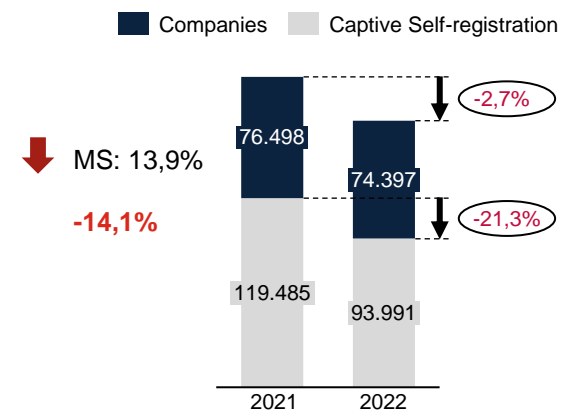
Retail (Private Customers)



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



Business (Company registrations**)



■ Compared to **November 2021 YTD**, in **2022**, the **Retail** segment confirmed the decrease of 2022 with -17,2% (-148.345 units sold lost) and a further decrease in its YTD Market Share with respect to November 2021 (58,8% in November 2022 vs. 62,8% in November 2021, -4,0 p.p.)

■ **Captive STR<R** (-40,4%) and **STR** (-17,4%) decreased in **November 2022 vs. 2021 YTD**, while **LTR** (+13,6%) registered a slight increase. The **Market share** of **Captive STR<R** (0,7% in November 2022 YTD vs 1,0% in November 2021 YTD) and **SRT** (4,2% in 2022 vs 4,5% in 2021) also decreased, while **LTR** market share increased from 17,5% in November 2021 YTD to 22,5% in November 2022 YTD

■ The decrease of the **Business segment** registrations in **November 2022 vs. November 2021 YTD** was related **both** to the reduction of **Captive self-registrations** (-21,3% or 25.494 units less sold) and **Companies** registrations (-2,7% or 2.101 units less sold)

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



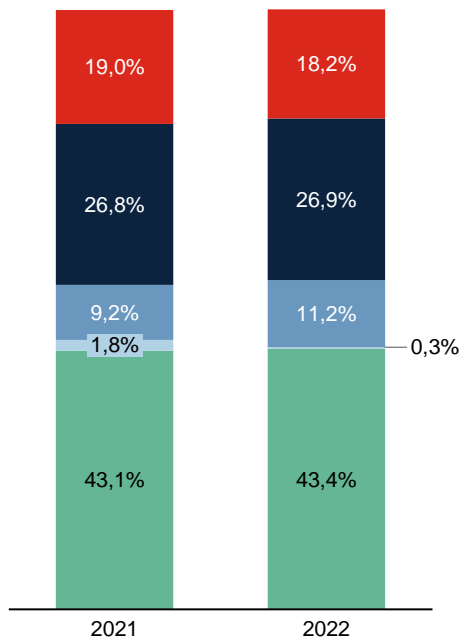
Source: UNRAE

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



“Fuel Type” mix evolution (Market Share)

■ Diesel
 ■ Petrol
 ■ LPG
 ■ CNG
 ■ HEV+PHEV+BEV



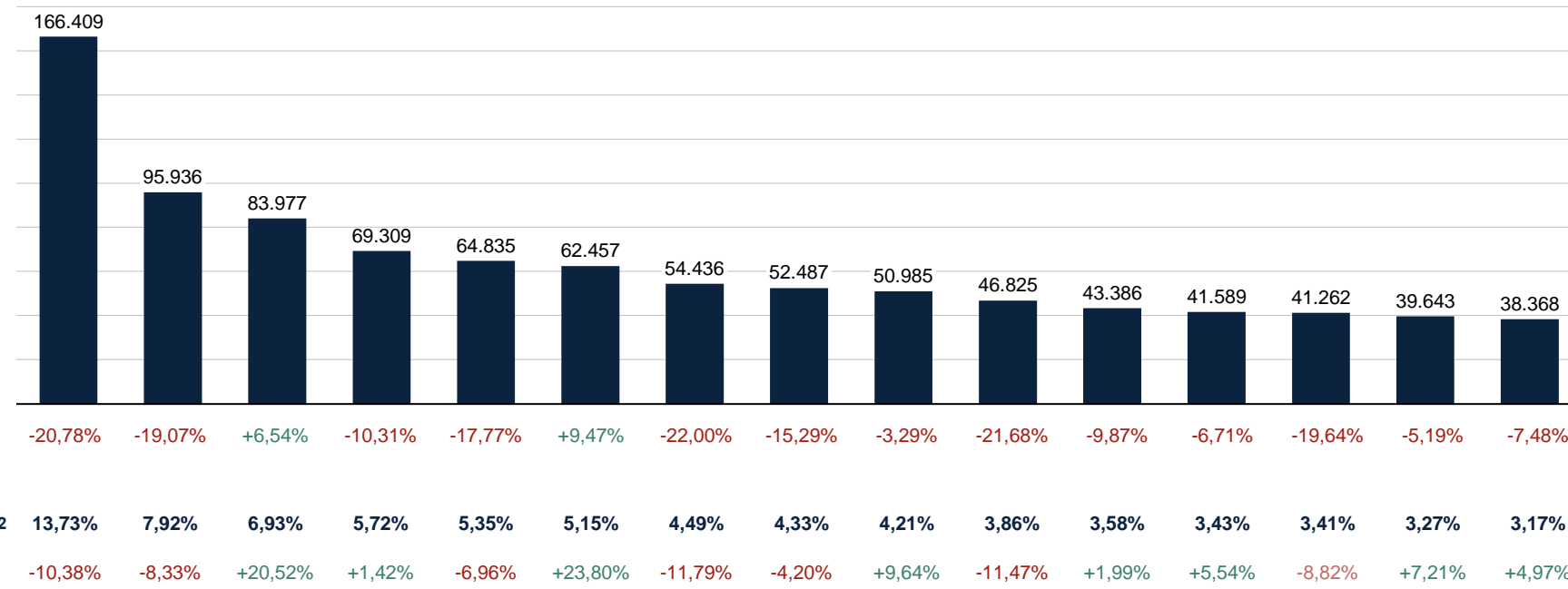
| | HEV | PHEV | BEV |
|----------------------|-----------|-----------|-----------|
| MS | | | |
| November '21 | 31,3% | 5,3% | 6,5% |
| MS | | | |
| November '22 | 33,6% | 5,5% | 4,2% |
| MS Delta | | | |
| November '22 vs. '21 | +2,3 p.p. | +0,2 p.p. | -2,3 p.p. |

- After the past two months of decline, the Market share of EVs returned slightly to growth in November, as well as the Petrol (+0,1 p.p.), while Diesel decreased (-0,8 p.p. in November 2022 compared to 2021).
- EVs increased their market share from 43,1% up to 43,4%; as in previous months 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 November 2021, with 2,3 p.p. drop in their Market Share.

Italy | New car registrations by brand



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

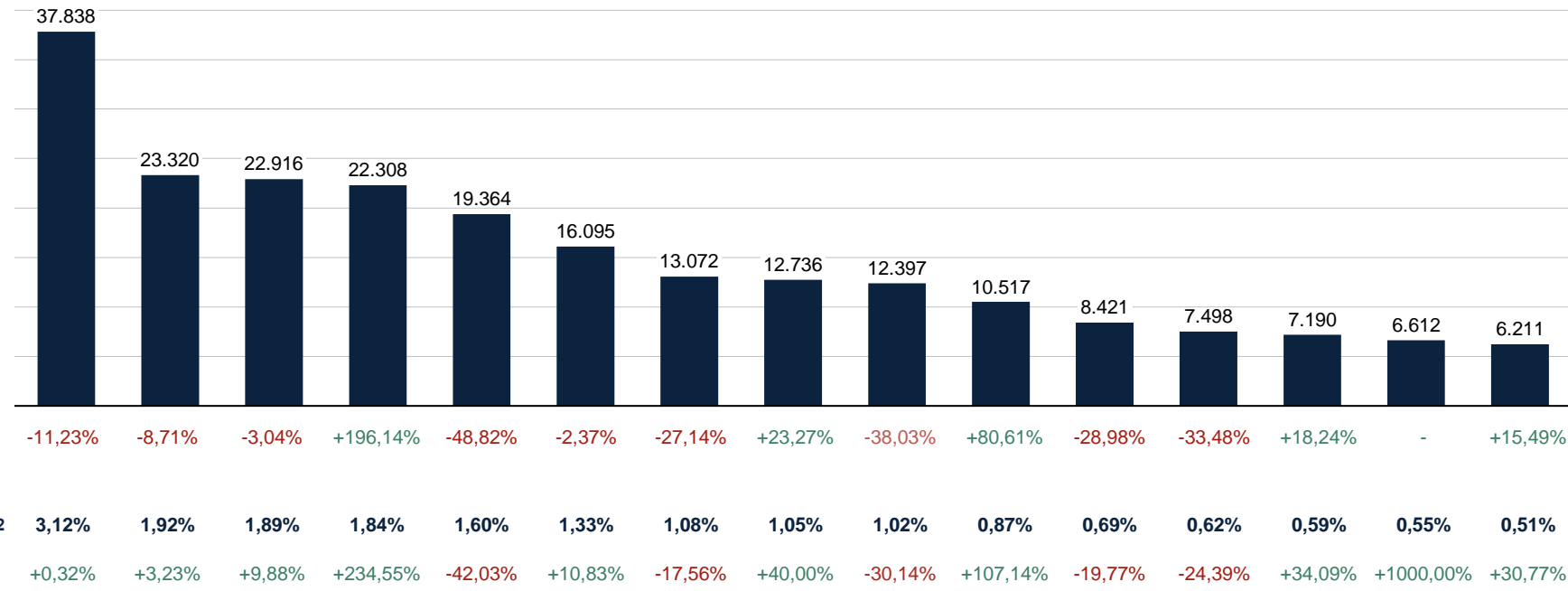


Source: UNRAE

Italy | New car registrations by brand



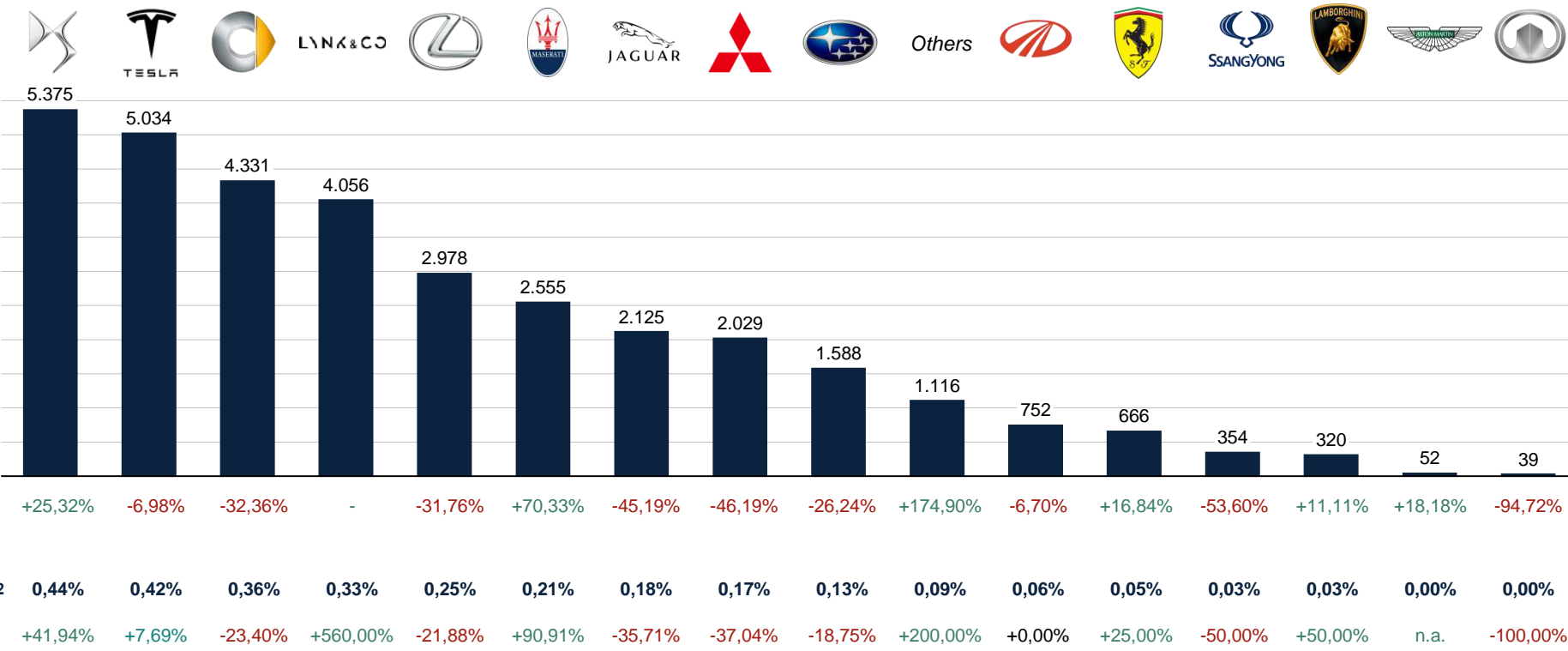
New car registrations by brand – November 2022 YTD (2/3)



Italy | New car registrations by brand



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



Source: UNRAE

Italy | New car registrations by group



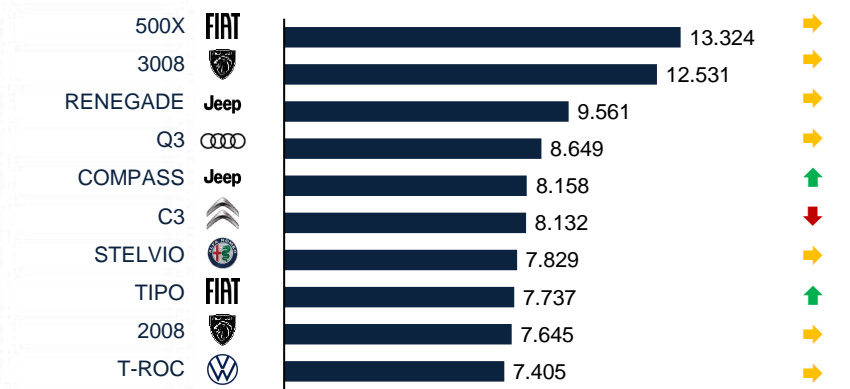
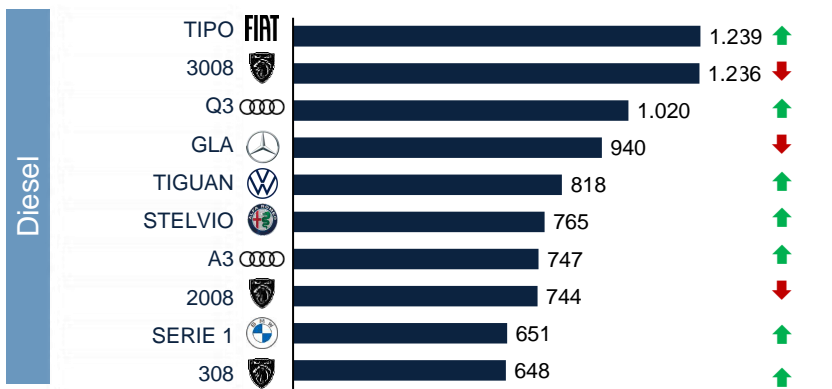
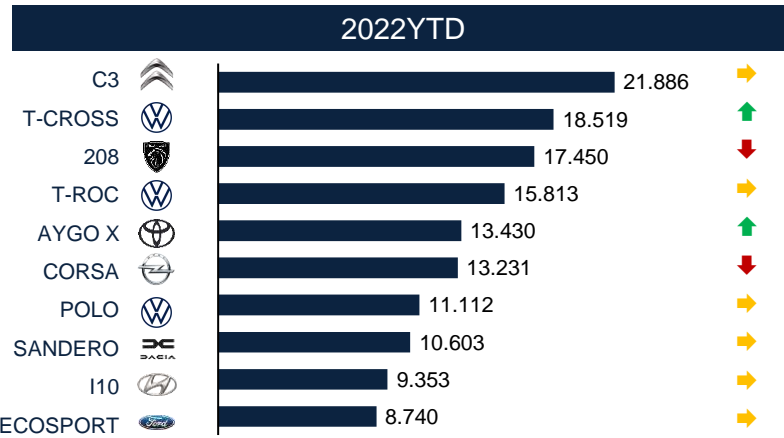
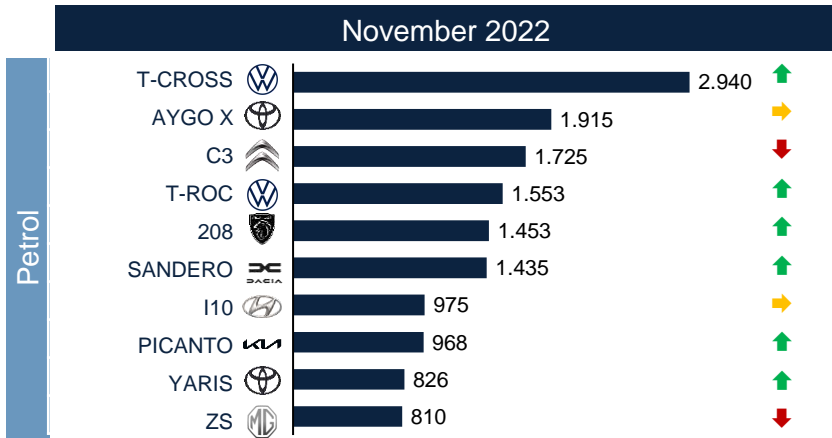
New car registrations by group – Top 15 – November 2022 YTD

| Group | Brand | Volume | Δ% Volume '22 vs '21 | Market Share (%) |
|----------------------|--|---------|----------------------|------------------|
| 1 | Stellantis <small>FIAT Jeep Alfa Romeo Lancia Selenia Maserati Ram</small> | 430.852 | -17,1% | 35,6% |
| 2 | Volkswagen <small>VW Audi Skoda SEAT Cupra Bentley</small> | 193.071 | -12,6% | 15,9% |
| 3 | Renault <small>Renault Dacia</small> | 116.893 | -7,8% | 9,7% |
| 4 | Toyota <small>Toyota Lexus</small> | 86.955 | 4,5% | 7,2% |
| 5 | Ford | 69.309 | -10,3% | 5,7% |
| <i>Top 5: 74,1%</i> | | | | |
| 6 | BMW <small>BMW MINI</small> | 59.481 | -8,0% | 4,9% |
| 7 | Mercedes-Benz <small>Mercedes-Benz GLE</small> | 45.920 | -9,9% | 3,8% |
| 8 | Kia | 39.643 | -5,2% | 3,3% |
| 9 | Hyundai | 37.838 | -11,2% | 3,1% |
| 10 | Nissan <small>Nissan Infiniti</small> | 23.320 | -8,7% | 1,9% |
| <i>Top 10: 91,1%</i> | | | | |
| 11 | DR Motor | 22.308 | 196,1% | 1,8% |
| 12 | Suzuki | 19.364 | -48,8% | 1,6% |
| 13 | Volvo | 13.072 | -27,1% | 1,1% |
| 14 | Jaguar – L.R. <small>JAGUAR LAND ROVER</small> | 9.623 | -36,5% | 0,8% |
| 15 | Mazda | 8.421 | -29,0% | 0,7% |

Italy | New car registrations by fuel type



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



Source: UNRAE

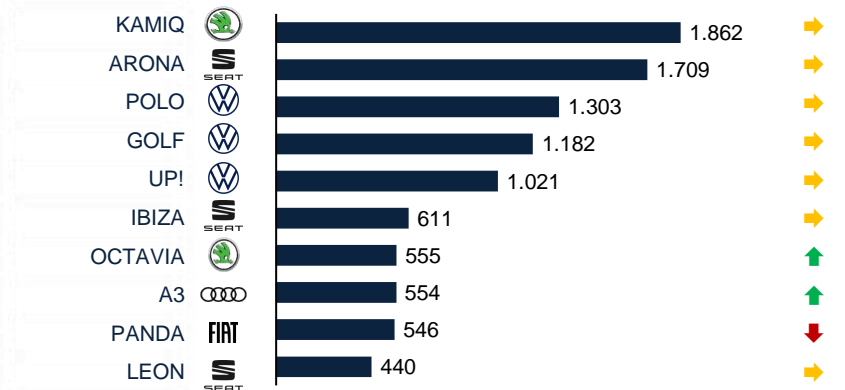
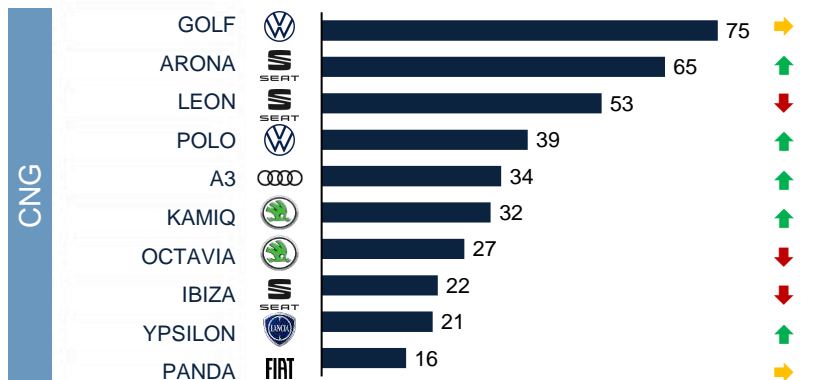
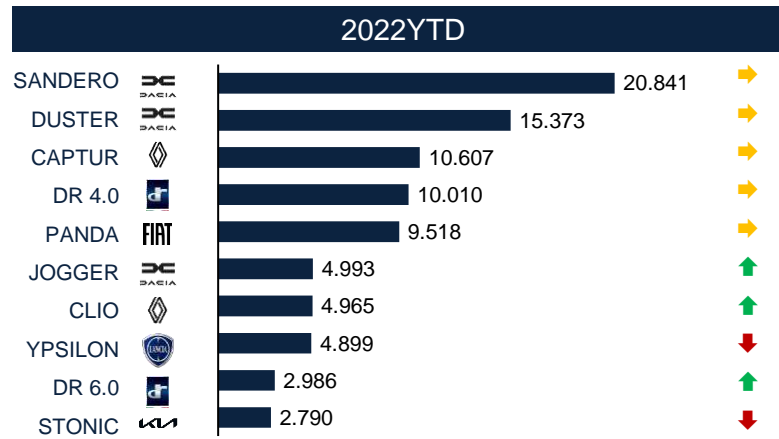
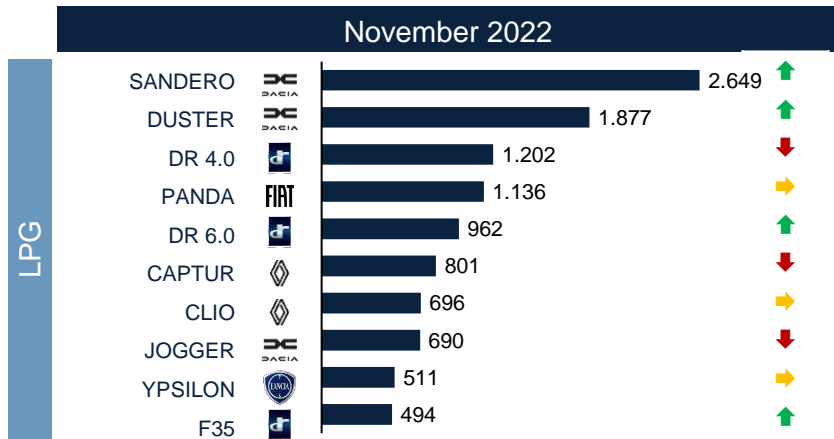


Ranking variation compared to previous period

Italy | New car registrations by fuel type



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



Source: UNRAE

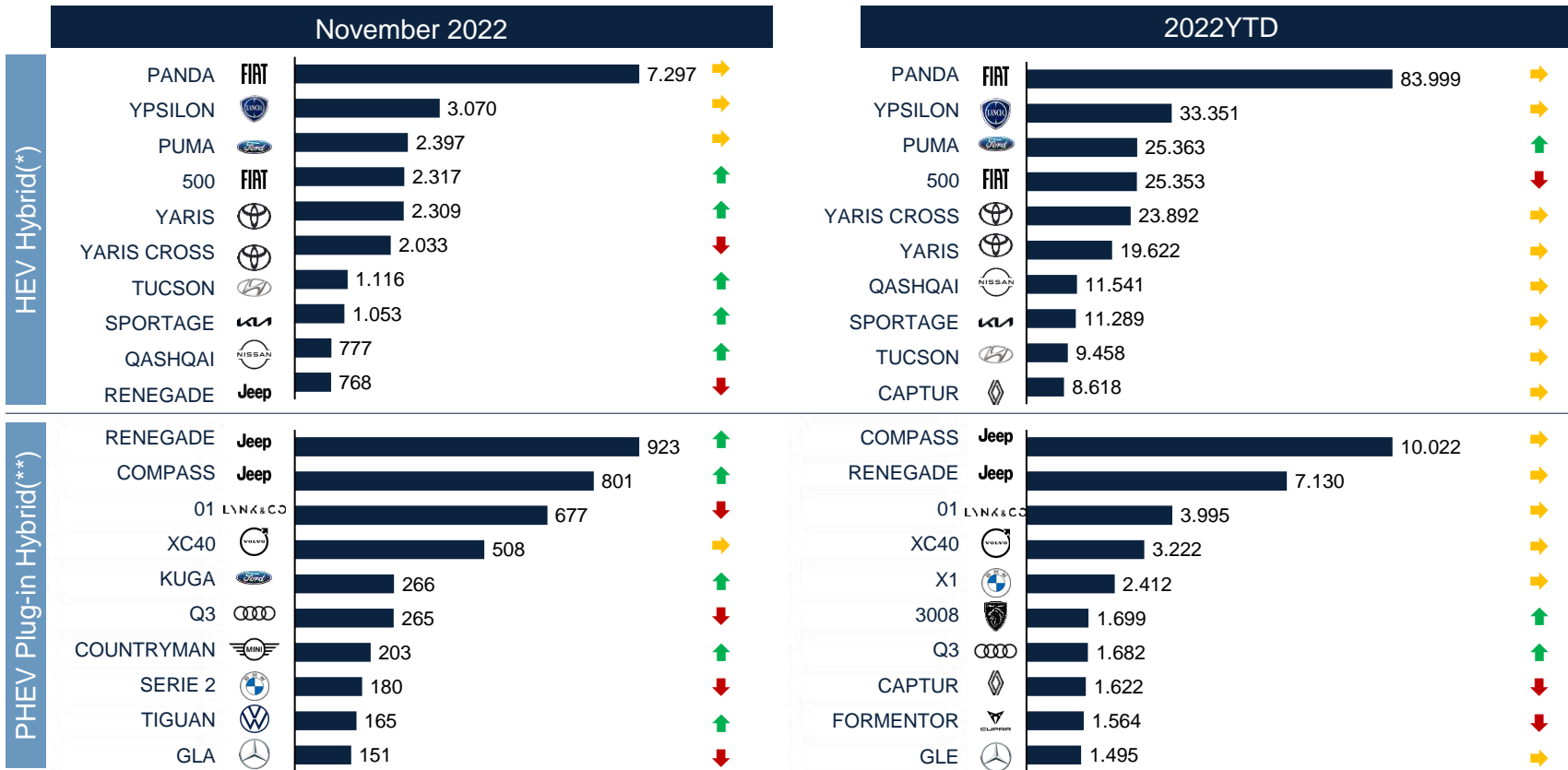


Ranking variation compared to previous period

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)

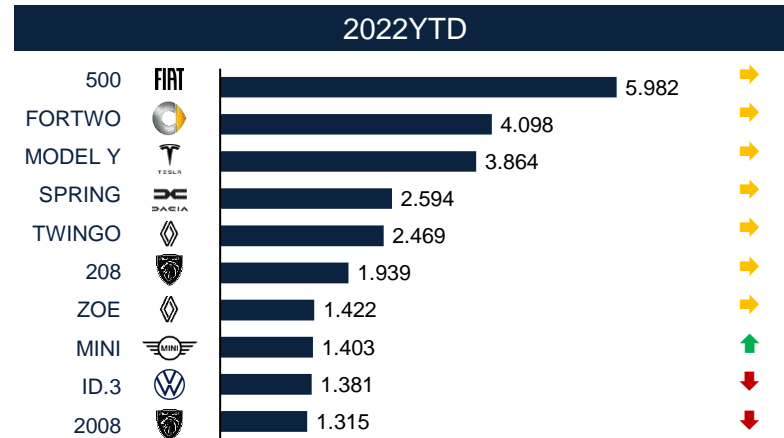
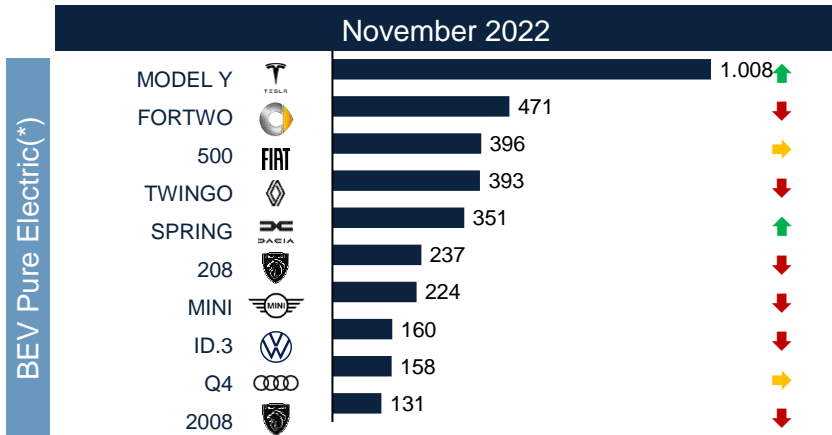


Ranking variation compared to previous period

Italy | New car registrations by fuel type



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



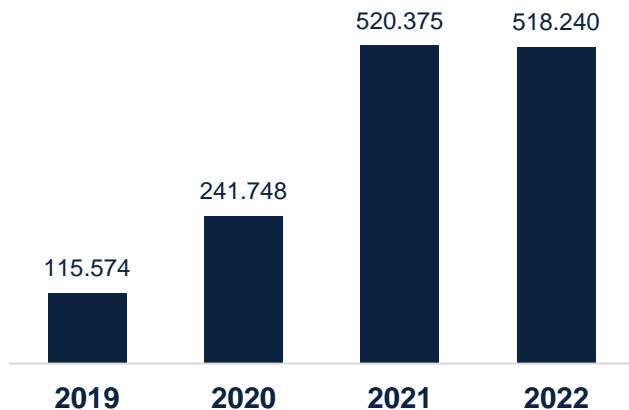
Italy | New car registrations by fuel type



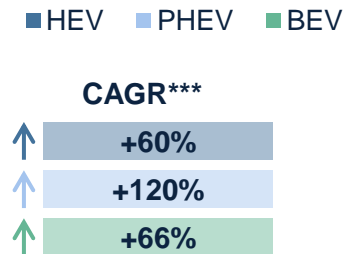
New car registrations of Hybrid vs Pure Electric vehicles

EV Registrations Trend November '22 YTD

| | | | | |
|-----------|-----|------|------|-------|
| Delta YoY | 35% | 109% | 115% | -0,4% |
| M.S. | 7% | 19% | 38% | 43% |



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



Although EV MS is growing compared to 2021, in terms of registrations 2022 continues to record a decline over 2021, even if to a smaller extent compared to October 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.

D
«Executive»



0,4 p.p.

B
«Supermini»



1,8 p.p.

E
«Luxury»



0,2 p.p.

C
«Medium»



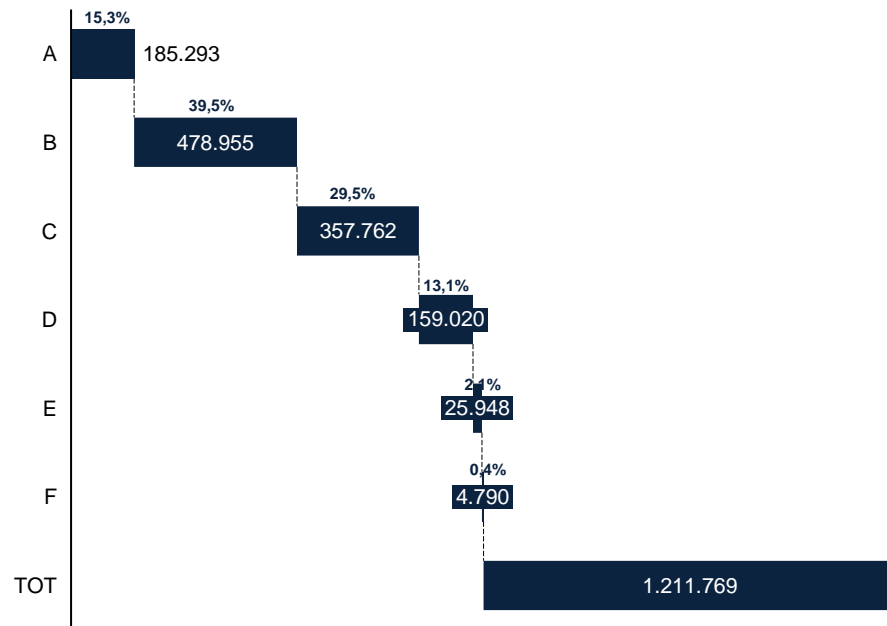
-0,2 p.p.

F
«Ultra Luxury»



0,1 p.p.

Market Share and Volume**

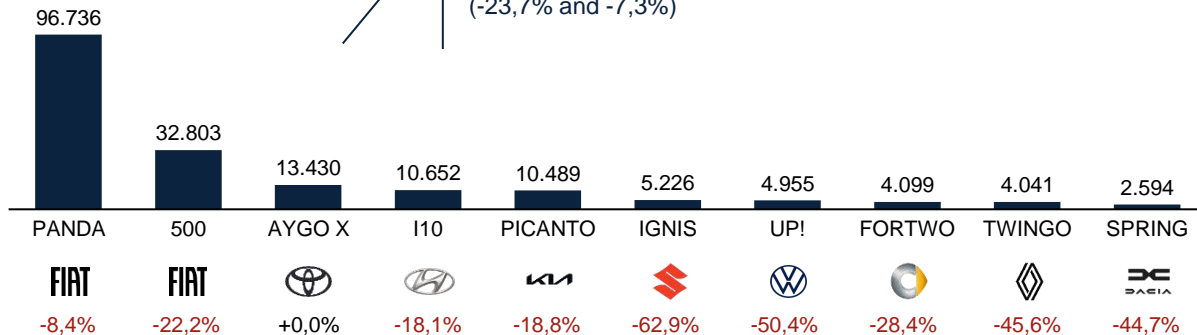


Italy | New car registrations by segment

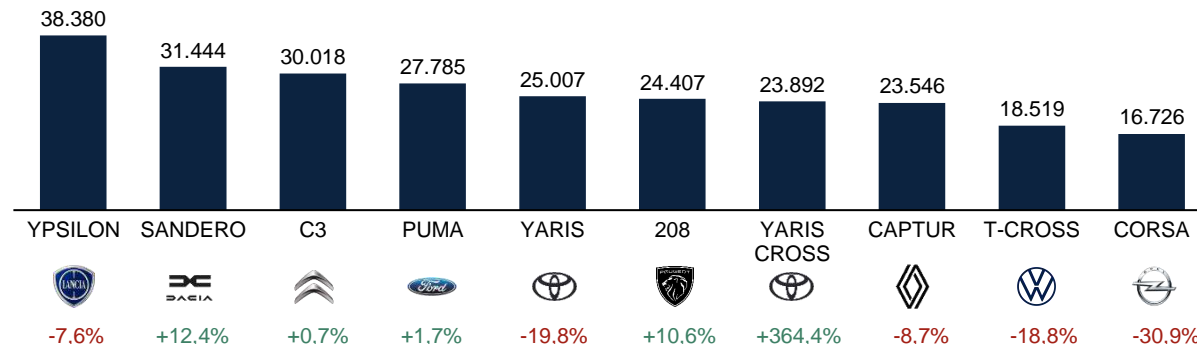
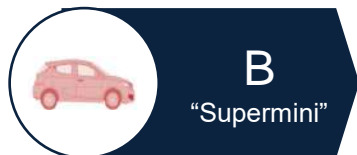


Segment A and Segment B – Top 10 – November '22 YTD

In terms of **MS**, respectively vs November 2021 YTD, **Segment A** registered a decrease (-2,4 p.p.) while **Segment B** recorded an increase (+1,8 p.p.). Considering the volumes, in November 2022 YTD both **Segment A** and **Segment B** decreased vs. November 2021 (-23,7% and -7,3%)



Δ Vol. %
22/21 YTD



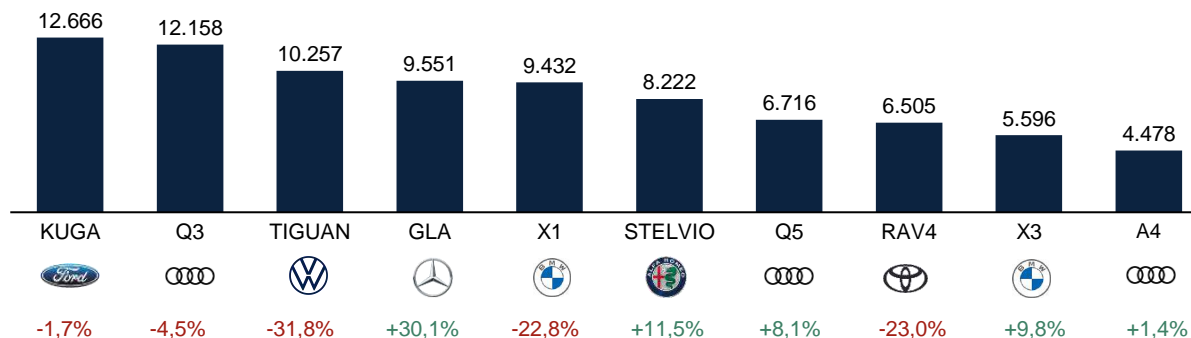
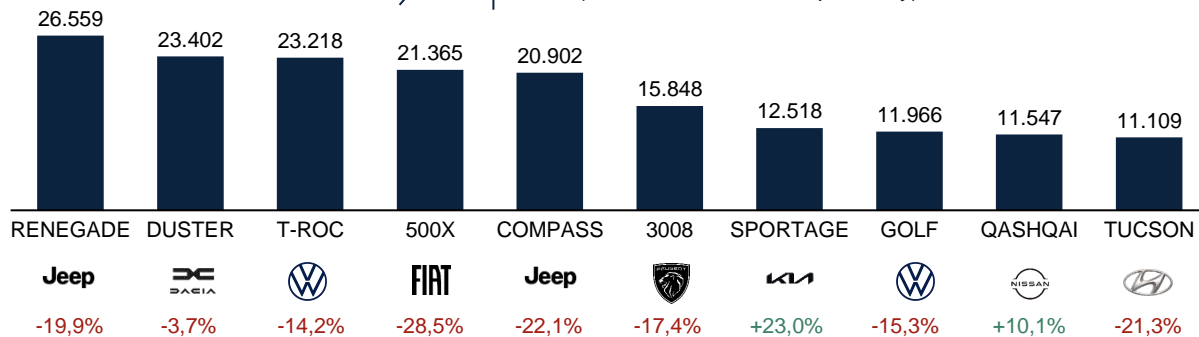
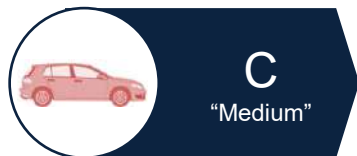
Δ Vol. %
22/21 YTD

Italy | New car registrations by segment



Segment C and Segment D – Top 10 – November '22 YTD

In terms of **MS**, respectively vs November 2021 YTD, **Segment C** registered a decrease (-0,2 p.p.) while **Segment D** recorded an increase (+0,4 p.p.). Considering the volumes, in November 2022 YTD both **Segment C** and **Segment D** decreased vs. November 2021 (-12,2% and -8,6% respectively)

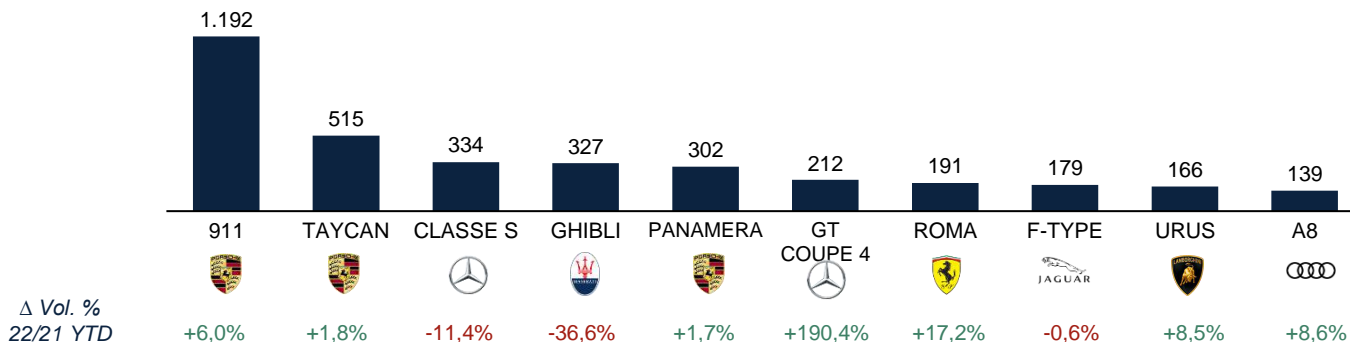
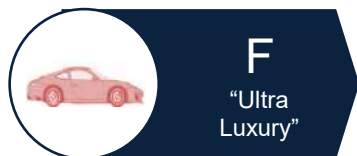
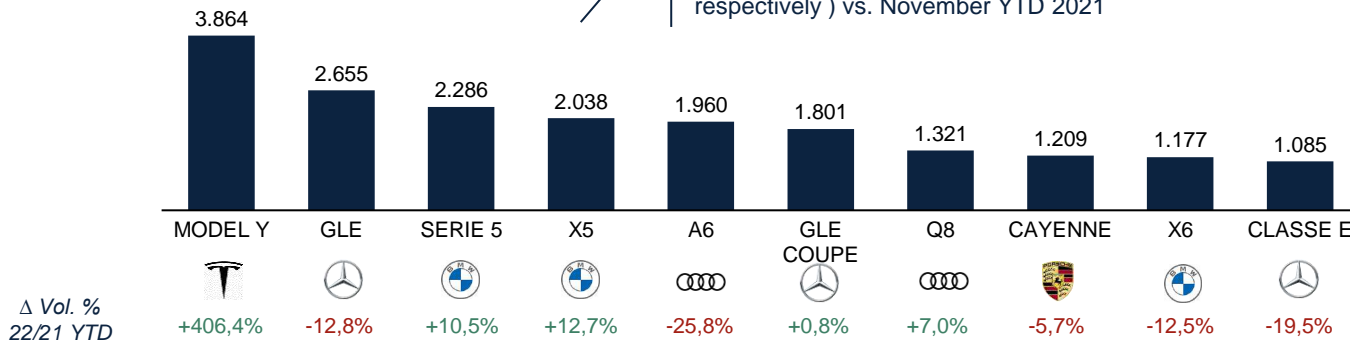


Italy | New car registrations by segment



Segment E and Segment F – Top 10 – November '22 YTD

In terms of **MS**, respectively vs November 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 November 2022 YTD both **Segment E** and **Segment F** increased (+1,1% and +5,1% respectively) vs. November YTD 2021





01. Europe

02. Italy

03. New car models launches in Italy

04. News on key industry trends

New Car Models Launches in Italy

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

| | | A | B | C | D | E | F | G | H | | | | |
|------|---|----------------|---------------|-----------------------|---|---|---|---|---|-------------|---|---|---|
| | | | | | | | | | | FIAT | | | |
| Jan | | | | Serie 2 Coupè ✓ | | | | | | | ✓ | | |
| Feb | | | ✓ | Serie 2 Active T ✓ | | ✓ | | ✓ | ✓ | | | ✓ | |
| Mar | | | | | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| Apr | | | | | | | | | | | | | |
| May | | | | | | | | | | | | | |
| Jun | ✓ | | | | | | | | | | | | |
| Jul | | | | | | | | | | | | | |
| Aug | | | | | | | | | | | | | |
| Sep | | | | ✓ | | | | | | | | | |
| Oct | | | | ✓ | | | | ✓ | | | ✓ | ✓ | |
| Nov | | | | ✓ | | | | | | | | | |
| Dec | | DBX Hybrid | | | | | | | | | | | ✓ |
| 2023 | | DBX707 | Q6 e-tron | M2 | | | | | | Panda | | | ✓ |



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 | | | | | | | | | | | | | | |
| Feb | | | | | | | | | | | | | | |
| Mar | | | | | | | | | | | | | | |
| Apr | | | | | | | | | | | | | | |
| May | | | | | | | | | | | | | | |
| Jun | | | | | | | | | | | | | | |
| Jul | | | | | | | | | | | | | | |
| Aug | | | | | | | | | | | | | | |
| Sep | | | | | | | | | | | | | | |
| Oct | | | | | | | | | | | | | | |
| Nov | | | | | | | | | | | | | | |
| Dec | | | | | | | | | | | | | | |
| 2023 | | | | | | | | | | | | | | |

- 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 (3/3)

| | O | P | R | S | T | V |
|------|------------------|----------|--------------------|---|---|---|
| | | | | | | |
| Jan | | | | | | |
| Feb | ✓ Astra | ✓ 308 SW | ✓ Macan T | | | |
| Mar | ✓ Astra Sports T | | ✓ 718 Cayman GT4RS | | | |
| Apr | | | | | | |
| May | | | | | | |
| Jun | | | | | | |
| Jul | | | | | | |
| Aug | | | | | | |
| Sep | | | | | | |
| Oct | | | | | | |
| Nov | | | | | | |
| Dec | | | | | | |
| 2023 | | | | | | |

- ✓ Launch Concluded
- ➔ Launch Postponed
- ➡ Launch Anticipated

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



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 23/11/2022 to 15/12/2022



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



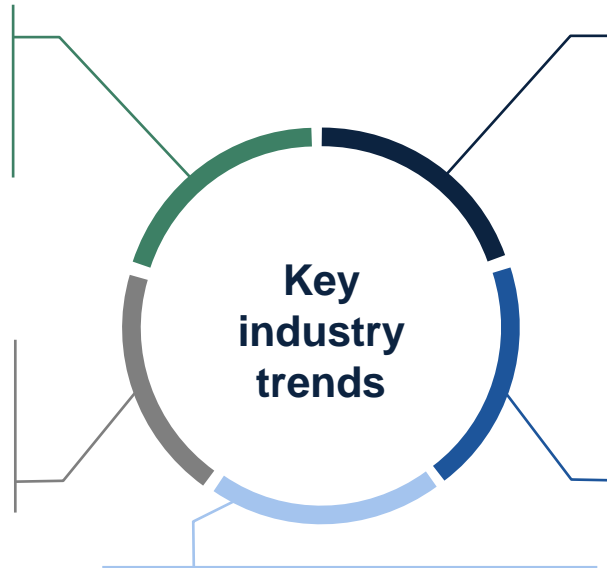
Electrification

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



Fiat enters the metaverse with its first store

With its debut in the metaverse with Metaverse Store, Fiat continues to lead the way in offering an immersive yet simple brand experience. The world's first interactive showroom powered by the metaverse, the technology conceived (...)

<https://motori.virgilio.it/curiosita/fiat-store-metaverso/185225/>

A showcase becomes a reality: Audi brings VR experience platform to CES 2023

The brand with the four rings returns to Las Vegas with a customer solution of the holoride prototype from 2019. Audi is the first car manufacturer in the world to bring virtual reality entertainment by holoride to series production. (...)

<https://www.automotiveworld.com/news-releases/a-showcase-becomes-a-reality-audi-brings-vr-experience-platform-to-ces-2023/>



News on key industry trends

Electrification (1/2)



Reefilla: on-demand mobile recharging service starts in Milan

The Italian start-up has announced the launch of its predictive mobile top-up service that will be focus on Milan for the first time. The service will be active from November and in the first phase will involve 100 private users (...)

<https://e-ricarica.it/reefilla-parte-a-milano-il-servizio-di-ricarica-mobile-on-demand/>

Ewiva launched: target 3.000 HPC charging points by 2025 in Italy

The joint venture between Enel X Way and Volkswagen was set up with the aim of creating an increasingly widespread ultra-fast charging network in Italy. To date, the recharging network in Italy counts 233 active stations (...)

<https://e-ricarica.it/presentata-ewiva-obiettivo-3-000-punti-ricarica-entro-il-2025-in-italia/>

Mercedes opens its first global EV-only dealership in Japan

Mercedes-Benz's first dealership in the world dedicated to its all-electric Mercedes-EQ brand opened in Yokohama, south of the Japanese capital. Across all car types, Mercedes sold 51.722 cars in Japan last year (...)

<https://europe.autonews.com/automakers/mercedes-opens-its-first-global-ev-only-dealership-japan>



News on key industry trends

Electrification (2/2)



The Suzuki Energy by Iren program starts, with benefits for public and private recharging

Born from the partnership between the multi-utility Iren and the Suzuki brand, the Suzuki Energy by Iren program has been officially launched, which will allow participating official dealers to offer their customers a series of advantageous services (...)

<https://e-ricarica.it/parte-il-programma-suzuki-energy-by-iren-con-vantaggi-per-la-ricarica-pubblica-e-privata/>



News on key industry trends

Connectivity (1/2)



BlackBerry to provide Human Horizons with intelligent technologies for HiPhi Z EV

BlackBerry has announced that its QNX technology will be used to power the HiPhi Z, the latest EV from Human Horizons. A selection of products from the QNX family will support the operations of an intelligent digital cockpit while also powering (...)

<https://telematicsnews.info/2022/12/09/blackberry-to-provide-human-horizons-with-intelligent-technologies-for-hiphi-z-ev/>

VinFast chooses T-Mobile as global connectivity provider

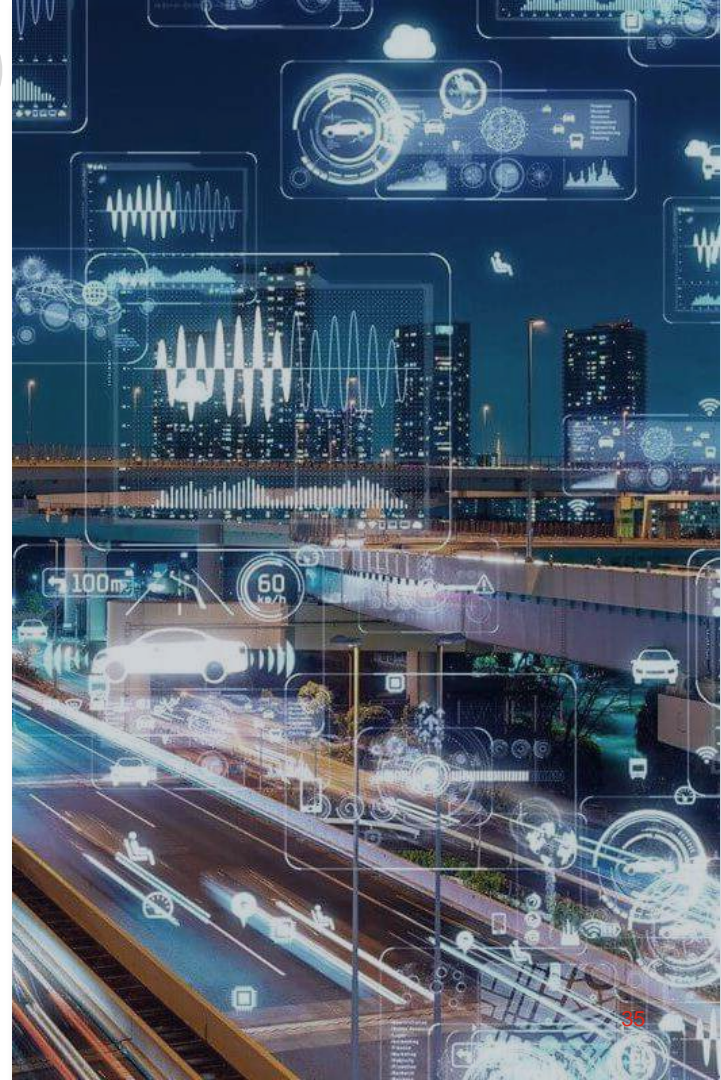
T-Mobile's IoT platform will be similarly leveraged by VinFast to connect and manage the service and maintenance of its EVs based on near real-time data, performance monitoring, and remote notifications (...)

<https://telematicsnews.info/2022/12/09/vinfast-chooses-t-mobile-as-global-connectivity-provider/>

Next e.GO selects Sibros to provide connected features for its e.wave X EV

Next.e.go has announced a new partnership with Sibros, a Silicon Valley connected vehicle platform start-up. Through it, Sibros will integrate its connected mobility solutions into e.Go's latest EV, the e.wave X (...)

<https://telematicsnews.info/2022/11/30/next-e-go-selects-sibros-to-provide-connected-features-for-its-e-wave-x-ev/>



News on key industry trends

Connectivity (2/2)



Renault, the first brand to integrate Waze directly into its multimedia system

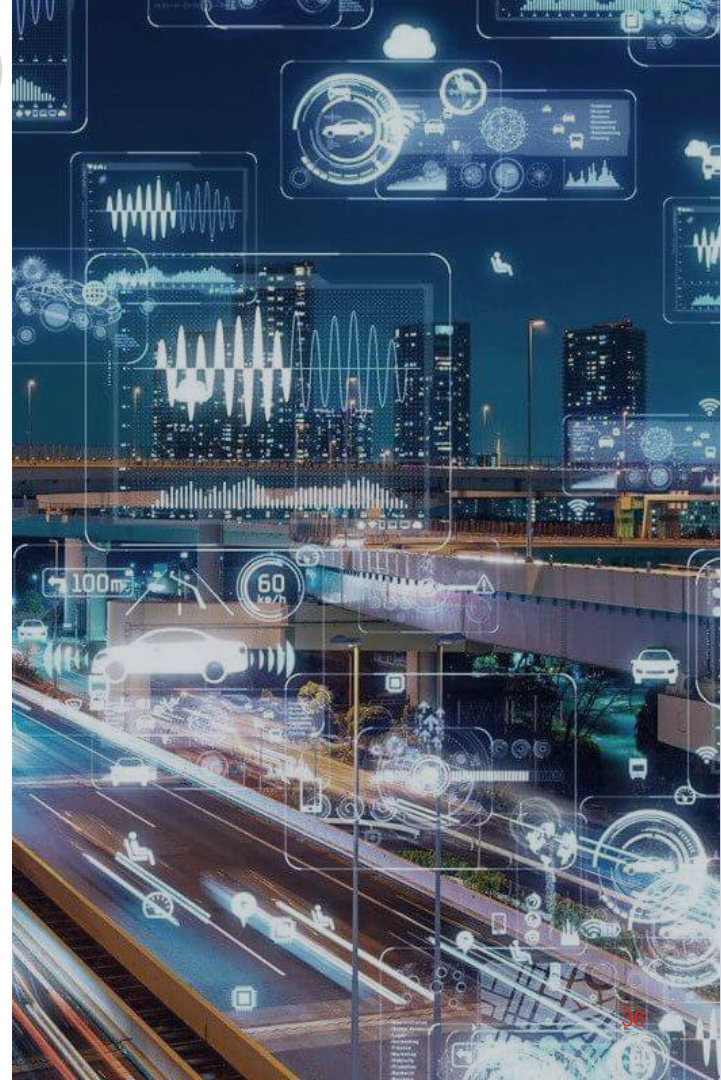
Waze is now available on Nouvel Austral and Renault Megane E-Tech electric vehicles equipped with the OpenR screen and the OpenR Link multimedia system with integrated Google (...)

<https://www.automotiveworld.com/news-releases/renault-the-first-brand-to-integrate-waze-directly-into-its-multimedia-system/>

Paying for parking directly from the car: Skoda launches Pay to Park

Pay to Park collects all contracted parking spaces in Europe and enters them into the MySkoda app, which can be viewed on the phone or in the car's infotainment system. The service will also arrive in Italy from 2023. (...)

https://www.fleetmagazine.com/pagare-il-parcheggio-direttamente-dallauto-skoda-lancia-pay-to-park/?utm_source=linkedin



News on key industry trends

Mobility Services



ALD Automotive acquires LeasePlan, the green light arrives from the EU

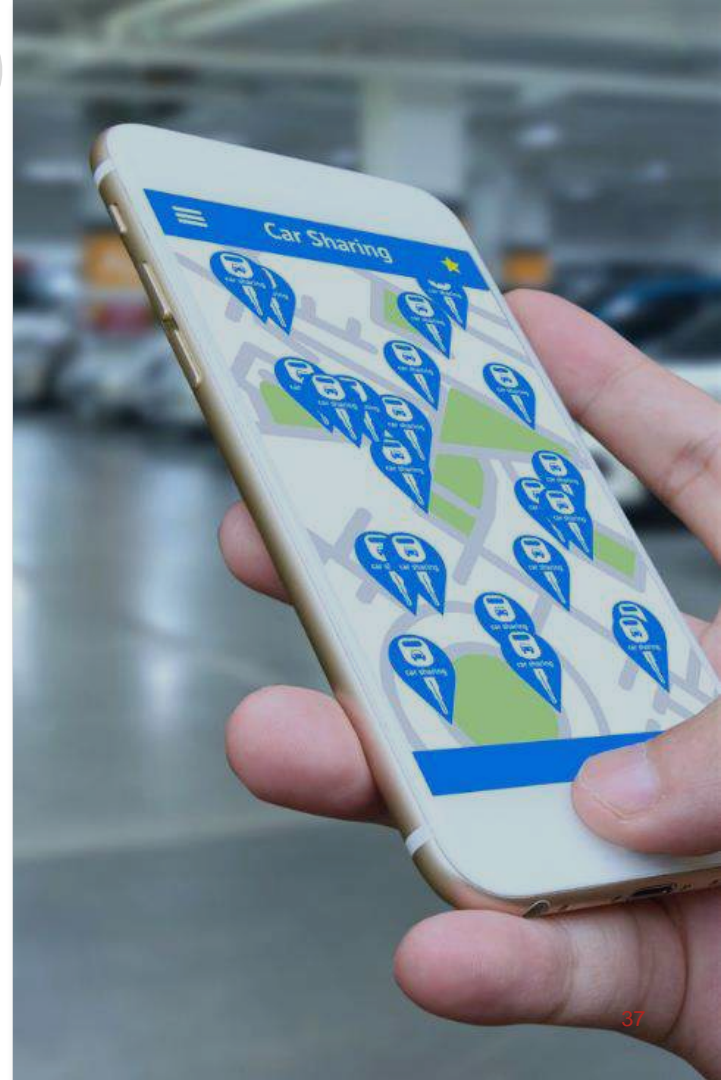
The competition authority has given the green light to the merger of the two international leasing giants within the European Economic Area, i.e., the markets of the European Union plus Iceland, Liechtenstein and Norway. However, the Czech Republic, Finland (...)

https://www.fleetmagazine.com/ald-automotive-acquista-leaseplan-ok-commissione-europea/?utm_source=linkedin

New e-mobility functions on Google Maps: search for fast charge point and by connector type

Google introduced a set of new features dedicated to electric vehicle users. It is now possible, by ticking the appropriate filter, to display only the fast-charging points, i.e., DC charging points with a power of 50 kW or more (...)

<https://e-ricarica.it/su-google-maps-nuove-funzioni-per-le-mobility-ricerca-delle-colonnine-fast-e-per-tipo-di-connettore/>



News on key industry trends

Sustainability



Audi: carbon-neutral production sites, vehicles fueled with sustainable fuels at the factory

Many new vehicles that leave the Audi plants are delivered with environmentally-friendly R33 fuel. After the plants' filling stations transitioned to R33 Blue Diesel last year, its complement R33 Blue Gasoline was introduced (...)

<https://www.automotiveworld.com/news-releases/audi-carbon-neutral-production-sites-vehicles-fueled-with-sustainable-fuels-at-the-factory/>

Climate neutrality as a target: Mahle produces green energy in Spain

At its Spanish plant in Montblanc near Barcelona, Mahle has connected the group's most powerful photovoltaic system, with a 2.200-kilowatt peak (kWp), to the grid. The 10.000 m2 enclosure with an annual output of around 3.000 megawatt hours (MWh) (...)

<https://www.automotiveworld.com/news-releases/climate-neutrality-as-a-target-mahle-produces-green-energy-in-spain/>

Toyota Motor Europe on track to achieve carbon neutrality by 2040

Toyota Motor Europe announced its commitment to achieve full carbon neutrality in Europe by latest 2040. Building on its undertaking last year to achieve 100% CO2 reduction in all new vehicles in the EU, UK and EFTA by 2035 (...)

<https://www.automotiveworld.com/news-releases/toyota-motor-europe-on-track-to-achieve-carbon-neutrality-by-2040/>



Thank you.

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