

## 2023 MOBILITY AND FLEET BAROMETER


Context and methodology

What are the main characteristics of the fleets?


How are companies financing their fleet?

## 05

What changes are to be expected in the near future regarding energy mix? p61


What are the perspectives in terms of mobility solutions? p106

## 07

What are the usages in terms of connected vehicles, digital tools and road safety equipments?
p141

CONTEXT AND METHODOLOGY


HOW DO MOBILITY SOLUTIONS IMPACT FLEET MANAGEMENT?

## SCOPE OF THE SURVEY

## 30 COUNTRIES IN 2023:

- 25 countries previously included
- 5 new countries (US, CA, MX, AU, NZ)

Arual Mobility Observotory


## COMPANY SIZE SEGMENT DEFINITION

## EUROPE

OUT OF EUROPE
 at ch de es fr gr it pt uk be lu nl cz pl sk ro dk fi no se ma tr br cl pe us ca mX au nz



## METHODOLOGY



DATA COLLECTION
FIELDWORK PERIOD
METHOD

CATI SYSTEM
(Computer Assisted Telephone Interviewing)
Recruitment by telephone


## READING NOTES ABOUT THE REPORT

TARGET

QUOTAS

DURATION OF INTERVIEW 20 minutes on average

In this report, when a significant difference vs last year is observed (95\% statistic confidence level), a reminder of last year figure is shown with the following symbol:

| Arual Mobility |
| :---: |
| Observotory |

(
XX
Significantly lower than 2022 year
XX = score 2022


Significantly higher than 202 year
XX = score 2022

Some graphics may not be perfectly equal to $100 \%$. It is due to roundings.

NETs are groups of similar answers combined in the stub (ex. NET Interested = very interested + somewhat interested)/

COMPANY FLEET
DECISION MAKERS
in companies of all
industries using at least
1 CORPORATE VEHICLE

COMPANY SIZE
\& SECTOR

5865 Europe

1650 Americas
1107 Rest of the world

8622 Interviews
in total

## NUMBER OF INTERVIEWS CONDUCTED IN SWITZERLAND

Perimeter of the survey: companies owning at least 1 vehicle



1 to 99 employees 159 INTERVIEWS

## SAMPLE STRUCTURE IN SWITZERLAND

## Company size \& sector

Construction
Building Construction General Contractors And Operative Builders / Heavy Construction Other Than Building Construction Contractors / Construction Special

Industry
Mining, oil \& gas, Manufacturing (e.g. food, tobacco, textile, wood, furniture, printing, publishing,
chemicals, fabricated metal products, electronic, machinery, etc...)

## Services

Finance / transportation / Hotels, Rooming Houses, Camps, And Other Lodging Places / Personal Services / Business Services / Automotive Repair, Services, And Parking / Motion Pictures / Amusement And Botanical And Zoological Gardens / Membership Organizations / Engineering, Accounting, Research, Management, And Related Services / Private Households

Trade
Building Materials, Hardware, Garden Supply, And Mobile Home Dealers / General Merchandise Stores Food Stores / Automotive Dealers And Gasoline Service Stations / Apparel And Accessory Stores / Home

Furniture, Furnishings, And Equipment Stores / Eating And Drinking Places / Miscellaneous / Retail /
Wholesale trade

Weight of each company size
segment


12

28

18

33

(4)

14

32

## 33

22

## MOBILITY SOLUTIONS LIST AND DEFINITIONS



RIDE SHARING: where several employees travel in the same car to the same destination


BIKE (OR OTHER TWO WHEELS) SHARING / BIKE (OR OTHER TWO WHEELS) LEASING solution provided by the company


PUBLIC TRANSPORT

MOBILITY BUDGET predefined budget granted by the employer allowing employees to choose their mode of transport

AN APP TO BOOK MOBILITY SOLUTIONS PROVIDED BY THE COMPANY

PRIVATE LEASE OR SALARY SACRIFICE (private lease where an employee leases a car on his own behalf / salary 8 sacrifice where an employee leases a car via their employer)


A SHORT OR MID TERM RENTAL VEHICLE to provide transport for an employee

EXECUTIVE SUMMARY


## INSIGHT 1: SWISS COMPANIES REMAIN CONFIDENT IN THE PERSPECTIVES FOR THEIR FLEETS, DESPITE PERSISTING UNCERTAINTIES

## THE CONFIDENCE SEEN IN 2022 IS <br> CONFIRMING, BUT TENSIONS ON THE MARKET WEIGHT IN, ALONG WITH RESTRICTIVE PUBLIC POLICIES

- Just like in 2022, companies remain optimistic about the future of their fleets
- 9 out of 10 companies anticipate a stability or increase within the next 3 years, similar to the European average.
- Vehicles possession length remains stable, for both passenger cars and LCVs
- In details, the share of companies anticipating a decrease is higher among smaller companies, following the European trend, while larger companies remain more optimistic
- This year also shows opposite trends between small and large companies, the first ones anticipating more a decrease of their LCV fleet, while the latter anticipate more a decrease of their passenger car fleet
- The anticipated fleet growth remains mainly driven by business development first, followed by HR needs, while plans to offer vehicles to employees with no company car eligibility increases significantly in Switzerland for 2023.
- Homeworking keeps developing, but this evolution hardly impacts companies' mobility policy yet.
- If the direct impacts of the Covid crisis seem behind, companies remain impacted by tensions on the automotive market (increasing total cost of ownership of the vehicles, longer delivery times, evolutions of car selling models...), while the main challenge anticipated is the adaptation to increasingly restrictive public policies on ICE. THE TRANSITION TO ALTERNATIVE TECHNOLOGIES \& SOLUTIONS
- This year nearly 6 out of 10 companies with passenger cars are equipped with alternative fuel technologies (on par with the European average).
- HEV \& PHEV increase significantly this year, the $1^{\text {st }}$ one being far ahead ( $36 \%$ ), while BEV share is more stable (26\%).
- The adoption of these technologies for passenger cars is mostly driven by CSR compliance, their lower environmental impact, reduction of fuel expenses and company image remaining important motivations, confirming last year's trends.
- But the shift towards $100 \%$ BEV remains much slower and does not increase for LCVs, in line with the European trend
- Larger companies remain ahead of smaller ones in terms of consideration.
- On the same note, Hydrogen Fuel cell remains marginal within Swiss LCV fleets for now, with a limited consideration, in line with the European average.
- If access to charging points remains the strongest one, the perception of barriers to BEV adoption is decreasing this year, which tends to show a "normalization" of BEV, but the offer remains a significant barrier (higher purchase prices and limited choice of models)
- To address these barriers, more companies plan to equip their premises with charging points within the next 12 months, but also, for those who don't plan to install charging points, develop lump sum payments to employees to cover charging fees.


## INSIGHT 3: STILL SOME ROOM FOR GROWTH FOR OPERATING LEASING

## \#3 <br> THE USE OF OPERATING LEASING <br> INCREASING BUT REMAINS LESS USED <br> THAN OUTRIGHT PURCHASE

- Operating leasing is used by 1 in 4 companies, for both passenger cars and LCVs, but remains slightly below the European average (29\%).
- The share of companies considering to introduce or increase Operating Leasing in the next 3 years remains stable : 22\%.
- But this potential remains below the European average (34\%), showing some room for growth
- Outright purchase is the main financing method used by Swiss companies (37\%).
- Focusing on SMEs, their path to purchase remains strongly driven by direct contact with dealerships, while Leasing companies remain significantly behind, showing some room for improvement in terms of partnership with SMEs.


## AND SOME POSITIVE PERSPECTIVES

- Adoption of mobility solutions is high, in line with the European average, with an increasing consideration within the next 3 years, mostly driven by CSR and company attractiveness motivations, but also HR-related needs / employees' requests.
- If the implementation seems quite balanced between mobility solutions, ride sharing and public transport are the most widespread, smaller companies seem more voluntarist on "innovative" ones: corporate car sharing, mobility budget, mobility app.


## AN INCREASE ESPECIALLY TRUE FOR LCVS

- This year, the use of connected vehicles is increasing in Switzerland, with $\mathbf{4 0 \%}$ of Swiss companies using telematics tools for their fleet.
- This increase is mostly driven by LCVs, while telematics is booming among mid-size companies which are now catching up with larger ones.
- The main reasons to use telematics slightly are:
- Improve drivers safety / behaviours
- Reduce fleet
- Locate vehicles and improve vehicle security
- Improve operational efficiency

WHAT ARE THE MAIN CHARACTERISTICS OF THE FLEETS?


## SWISS COMPANIES REMAIN OPTIMISTIC REGARDING THE PERSPECTIVES FOR THEIR

 FLEETS, YET WITH CONTRASTED TRENDS BETWEEN SMALL AND LARGE COMPANIES AND WITH SOME CHALLENGES AHEADIn line with last year's trend, Swiss companies remain confident about the future of their fleets, $91 \%$ anticipating a stability or increase within the next 3 years, similar to the European average.

- Vehicles possession length remains stable, for both passenger cars and LCVs
- In details, the share of companies anticipating a decrease is higher among smaller companies, following the European trend, while larger companies remain more optimistic
- This year also shows opposite trends between small and large companies, the first ones anticipating more a decrease of their LCV fleet, while the latter anticipate more a decrease of their passenger car fleet

Just like last year, the reasons behind fleet anticipated increase rank in exactly the same order as Europe, namely business development first, followed by HR needs.

Homeworking keeps developing ( $25 \%$ of companies being ready to introduce or increase homeworking), but this evolution has a rather limited effect on companies' mobility policy: $\mathbf{8}$ companies out of $\mathbf{1 0}$ did not implement any change nor consider any adjustment linked to homeworking in the future (in line with the European trend).

Swiss companies are facing various challenges for the years to come, the \#1 being the adaptation to restrictive public policies on petrol and diesel vehicles, but also linked to tensions on the market: increasing total cost of ownership of the vehicles, longer delivery times, evolutions of car selling models...


RESPONDENTS POSITION WITHIN THE COMPANY

## In \% <br> $-2$

## Passenger cars + LCVs

| CEO / Managing director | 36 |  |
| :--- | :--- | :--- | :--- |
| Fleet director / manager | 23 |  |
| Procurement director / manager | 6 |  |
| Finance director / officer / | 5 |  |
| manager / CFO | 6 |  |
| HR director/ manager | 8 |  |
| COO (Chief Operations Officer) | 8 |  |
| CSR director / officer / manager | 6 |  |
| Facility manager | 3 |  |
| Mobility manager | 3 |  |
| Other, please specify | 6 |  |




Passenger cars + LCVs

1000 vehicles and more $\square \square$ 100 to 999 vehicles $\square \square$ 10 to 99 vehicles $\square \square$ 1 to 9 vehicles $\square$ ㅁ




PROPORTION OF COMPANIES WITH AT LEAST ONE PASSENGER CAR OR ONE LCV
(among companies with at least one vehicle in fleet)


NUMBER OF PASSENGER CARS IN FLEET


## NUMBER OF LCVS IN FLEET



## VEHICLES POSSESSION LENGTH



## PASSENGER CARS POSSESSION LENGTH



## LCVS POSSESSION LENGTH



FLEET GROWTH POTENTIAL
HOW TO READ THE RESULTS ?
In Switzerland, $90 \%$ of the companies declare that in the next 3 years their company fleet will


| 2023 | +11 | +16 | +10 | +15 | +8 | +16 | +11 | +17 | +15 | +16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2022 | +13 | +18 | +13 | +19 | +6 | +17 | +13 | +17 | +19 | +17 |
| 2021 | +42 | +35 | +17 | +22 | +56 | +31 | +38 | +43 | +74 | +50 |

## FLEET GROWTH POTENTIAL

HOW TO READ THE RESULTS ?
In Switzerland, 90\% of the companies declare that in the next 3 years their company fleet will remain stable or increase..

## Passenger cars + LCVs





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[^0] Basis: companies with corporate vehicles $=100 \%$

## PASSENGER CAR FLEET GROWTH POTENTIAL

HOW TO READ THE RESULTS ?


In Switzerland, 86\% of the companies declare that in the next 3 years the total number of passenger cars will remain stable or increase.


9188



8691
$20 \quad 23$

66

BALANCE in pts (INCREASE $\Theta$ DECREASE)

PASSENGER CAR FLEET GROWTH POTENTIAL
HOW TO READ THE RESULTS ?
In Switzerland, 86\% of the companies declare that in the next 3 years their company fleet of
passenger cars will remain stable or increase.

| $\%$ | Stable or | 92 | 86 | 90 | 90 | 84 | 90 | 94 | 87 | 86 | 90 | 90 | 79 | 89 | 89 | 90 | 88 | 86 | 89 | 85 | 92 | 93 | 85 | 80 | 91 | 89 | 91 | 88 | 93 | 89 | 92 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## increase



10

 AT CH DE ES FR GR IT PT UK BE LU NL CZ PL SK RO DK FI NO SE MA TR BR CL PE US CA MX AU NZ
$2023+27+12+9+20+21+32+17+9+28+15+15+18+15+24+6+21+8+21+13+16+44+34+18+21+33+21+21+30+11+15+20+17$

# LCVS FLEET GROWTH POTENTIAL 

In \%


HOW TO READ THE RESULTS ?
In Switzerland, 86\% of the companies declare that in the next 3 years the total number of LCVs will remain stable or increase.


BALANCE in pts (INCREASE $\Theta$ DECREASE)
2023
+9 +17
$-2 \quad+19$
$+11+15$
$+12+17$
$+15+17$

## LCVS FLEET GROWTH POTENTIAL

In Switzerland, 86\% of the companies declare that in the next 3 years their company fleet of LCVs will remain stable or increase.




$2023+17+9+11+19+18+34+13+11+26+7+16+16+14+28+9+23+3+21+24+23+41+33+10+23+30+24+24+31+9+18+19+17$

REASON FOR FUTURE FLEET INCREASE

Passenger cars + LCVs
Because your company is growing or developing a new activity that requires company vehicles


## MOBILITY POLICY ADAPTATION COINCIDING WITH HOMEWORKING

## $\ln \%$

Passenger cars + LCVs


# In Switzerland, among the companies that changed or consider changing their mobility policy, 20\% 

TO READ THE RESULTS ? have already reduced the total number of the vehicles in the company's fleet

[^1]
## $\ln \%$

Passenger cars + LCVs




## MOST IMPORTANT CHALLENGES EXPECTED

## \section*{In \%} <br> -

## Passenger cars + LCVs

## $\square$ Nb 1 challengeTop 3 challenges




## HOW ARE COMPANIES FINANCING

 THEIR FLEET?

## STILL SOME ROOM FOR GROWTH FOR OPERATING LEASING

To note: in 2023, question about financing methods repartition was asked differently, which means there will be no direct comparison with 2022.

Operating Leasing is used by $\mathbf{2 5 \%}$ of surveyed companies, for both passenger cars and LCVs.
But if the share of companies considering to introduce or increase Operating Leasing in the next 3 years remains stable (22\%), this potential remains below the European average (34\%), showing some room for growth.

Focusing on SMEs, their path to purchase remains strongly driven by direct contact with dealerships for both vehicle choice and funding information, independent car dealers being the main subscription channel (44\%), valued for the quality of advice delivered.

Leasing companies remain significantly behind, showing some room for improvement in terms of partnership with SMEs.

## FINANCING



## MAIN FLEET FINANCING METHOD

## In \% <br> Passenger cars + LCVs <br> Financial leasing Credit Outright purchase $\square$ <br>  <br> 24 <br> 6 <br> 40 <br>  <br>  <br> 做

## MAIN PASSENGER CARS FINANCING METHOD



New question added in 2023

## MAIN LCV FINANCING METHOD

In \%


in im

INTENTION TO INTRODUCE OR INCREASE THE USE OF OPERATING LEASING
Proportion of companies having the intention to introduce or increase the use of operating leasing
Passenger cars + LCVs


## INTENTION TO INTRODUCE OR INCREASE THE USE OF OPERATING LEASING

Proportion of companies having the intention to introduce or increase the use of operating leasing


| TOTAL Total certainly + probably |  |
| :---: | :---: |
|  | Yes, certainly |
| 22 | 4 |
| 22 | 5 |
| $34$ | 13 |
| 34 | 14 |



## MAIN SOURCE OF INFORMATION FOR VEHICLE CHOICE

Focus 1 to 99


## MAIN SOURCE OF INFORMATION FOR VEHICLE CHOICE

## ln \% <br> -

Passenger cars + LCVs

 DIRECT DEALER CONTACT

 LEASING COMPANIES

##  <br>  WORD OF MOUTH, RECOMMENDATION

\section*{| 17 | 19 | 21 | 14 |  | 26 | 12 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |}

 COMPARISON WEBSITES


WEBSITE TO CHECK DIFFERENT OFFERS/WEBSITE OF CAR MANUFACTURERS

| 3 | 9 |  |  | 14 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $\pi$ |  |  |  | $\pi$ |  |  |  |
| 9 | 17 | 7 | 3 |  | 31 | 9 | 8 | 19 |

 VIA BROKERS
 PRINT MEDIA \& MAGAZINES

## 

 BANK12
5
$\begin{array}{llllllll}5 & 4 & 3 & 3 & 15 & 4 & 7 & 27\end{array}$
 SOCIAL MEDIA
$\begin{array}{llllllll}5 & 8 & 5 & 5 & 12 & 5 & 3 & 15\end{array}$
 TRADE SHOWS

## MAIN SOURCE OF INFORMATION FOR FUNDING METHOD

Focus 1 to 99


## MAIN SOURCE OF INFORMATION FOR FUNDING METHOD

## In \% <br> E-1

Passenger cars + LCVs

 DIRECT DEALER CONTACT

##  <br> 

LeAsing companies


BANK
$\begin{array}{lllllll}7 & 22 & 20 & 22 & 23 & 27\end{array}$
 COMPARISON WEBSITES 112 IIS 1920201919

- \| \| - 気 + + \|

WORD OF MOUTH, RECOMMENDATION

|  |  |  |  | $\begin{array}{cc} 7 & 8 \\ (シ) & (\Delta) \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  |  |  |  |  |
| VIA BROKERS | WEBSITE OF CAR | PRINT MEDIA \& MAGAZINES | TRADE SHOWS | SOCIAL MEDIA |

Amongst the following options, what are your main sources of information when choosing a funding method for your company vehicles? Basis: companies with less than 100 employees

## SUBSCRIPTION CHANNEL

## ln \% <br> -

Passenger cars + LCVs


## IMPORTANCE OF ONLINE SOURCES FOR VEHICLE CHOICE

Focus 1 to 99


## IMPORTANCE OF ONLINE SOURCES FOR FUNDING METHOD

Focus 1 to 99


## SUMMARY OF VEHICLE PURCHASING PATH

## Focus 1 to 99

## In \% <br> Passenger cars + LCVs

\#1 source of information for

\#1 source of information for


## LEASING COMPANIES AS PREFERRED SOURCE

Focus 1 to 99

Leasing companies as preferred source of information for...
Vehicle choice Funding method
+

Subscription via Leasing companies


Perceived advantages (among company subscribing via Leasing companies)
40

Possibility to have a dedicated $\square 38$
contact38

Simple process $\square \begin{aligned} & 35 \\ & \square\end{aligned}$
Quick or immediate availability of $\quad 34$ the vehicle
wide choice of $\square$ 32 cars 31
$\qquad$

[^2]
## BANK AS PREFERRED SOURCE

Focus 1 to 99

Passenger cars + LCVs

|  | of information for... |  |
| :---: | :---: | :---: |
|  | Vehicle choice | Funding method |
| + | 12 | 19 |
|  | 10 (7) 7 | 30 |



Amongst the following options, what are your main sources of information when choosing your company vehicles? Amongst the following options, what are your main sources of information when choosing a funding method for your company vehicles? Once you have decided the company vehicle and the funding method, from the following channels, where do you go next to subscribe the chosen solution? In your opinion, what are the advantages of each of the following buying channels? Basis: companies with less than 100 employees

BROKERS AS PREFERRED SOURCE
Focus 1 to 99

Passenger cars + LCVs

Brokers as preferred source of information for..
Vehicle choice

4

Funding method
13


Subscription via Brokers


## OTHER SOURCES OF INFORMATION

## Focus 1 to 99

Passenger cars + LCVs
DIRECT DEALER $\qquad$ CONTACT

## TRADE SHOWS

Main source of information for...
Vehicle choice Funding method

4

## 48

50

Main source of information for...
Vehicle choice Funding method

3

7
41
$45(1))^{54}$

* $\mathrm{BE}, \mathrm{FR}, \mathrm{PL}, \mathrm{UK}, \mathrm{CH}, \mathrm{CZ}, \mathrm{IT}$


## OTHER SOURCES OF INFORMATION

## Focus 1 to 99

Passenger cars + LCVs
WEBSITES OF CAR
$\qquad$
$\qquad$ COMPARISON WEBSITES

Main source of information for...
Vehicle choice Funding method
ఛ

14

Main source of information for...
Vehicle choice Funding method


23

24

19

## OTHER SOURCES OF INFORMATION

## Focus 1 to 99

Passenger cars + LCVs

Main source of information for...
Vehicle choice Funding method

## 4

(3)
$\qquad$ PRINT \& MEDIA
MAGAZINES

Main source of information for..
Vehicle choice Funding method

7

SME Benchmark*
11 (7) 7

* BE, FR, PL, UK, CH, CZ, IT

OTHER SOURCES OF INFORMATION
Focus 1 to 99

Passenger cars + LCVs
Main source of information for...

> Vehicle choice Funding method
Vehicle choice Funding me

## WHAT CHANGES ARE TO BE

 EXPECTED IN THE NEAR FUTURE REGARDING ENERGY MIX?

## IF ALTERNATIVE TECHNOLOGIES KEEP INCREASING FOR PASSENGER CARS, BEV ADOPTION REMAINS MUCH SLOWER FOR LCVS



Adoption of alternative technologies is increasing substantially this year, with nearly 6 out of 10 companies already using at least one technology among Hybrid, Plug-in Hybrid or $100 \%$ BEV in their passenger car fleet (on par with the European average), and $84 \%$ already using or considering them (above the European benchmark).
In detail, Hybrid is the most used and considered technology, significantly increasing compared to last year ( $34 \%$ used, $\mathbf{+ 1 4}$ points), followed by $\mathbf{1 0 0 \%}$ BEV (26\%) and Plug-in Hybrid (24\%), which are both consolidating and quite in line with European figures.
100\% BEV adoption remains much more limited and stable for LCVs, with $7 \%$ of current use, $27 \%$ of use or consider, larger companies remaining ahead of smaller ones in terms of consideration.

Lastly, Hydrogen Fuel Cell for LCVs remains marginal, used by only 1\% of companies with LCVs, while 6\% consider it.

Slightly different motivations for alternative technologies adoption between passenger cars and LCVs: if CSR compliance still ranks first among the top motivations for both, with still a higher score than in Europe, their lower environmental impact is also a key driver for passenger cars but not for LCVs, while reduction of fuel expenses and company image remain important motivations, confirming last year's trends.

Access to charging points remains the strongest barrier to BEV usage, but generally speaking, the perception of barriers to BEV adoption is decreasing this year, which tends to show a "normalization" of BEV. Higher purchase prices and limited choice of models also appear as limitations to BEV adoption.
To address these barriers and support the adoption of $100 \%$ BEV, more companies plan to equip their premises with charging points within the next 12 months, but also, for those who don't plan to install charging points, develop lump sum payments to employees to cover charging fees.

## ENERGY MIX



AT LEAST ONE ALTERNATIVE
IMPLEMENTED OR CONSIDERED*
EXPECTED PART OF 100\%
ELECTRIC PASSENGER CAR IN 3 YEARS

|at least one alternative
|IMPLEMENTED


## CONSIDERATION FOR ALTERNATIVE FUEL TECHNOLOGIES

(At least one technology among HEV, PHEV and $100 \%$ BEV)


## 

AT CH DE ES FR GR IT PT UK BE LU NL CZ PL SK RO DK FI NO SE MA TR BR CL PE US CA MX AU NZ

## CONSIDERATION FOR ALTERNATIVE FUEL TECHNOLOGIES

(At least one technology among HEV, PHEV, $100 \%$ BEV)


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years


ALREADY USING OR CONSIDER USING IN THE NEXT 3 YEARS


37
24

$44 \pi$
$29 \pi$

Hybrid
100\% Battery Electric Vehicle


| $44 \pi$ | 34 | $40 \pi$ |
| :--- | :--- | :--- |
| $29 \pi$ | 19 | $24 \pi$ |

Amongst the following alternative fuel technologies, which ones do you currently use Amongst the following alternative fuel technologies, which ones are you considering using...?

## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - Focus Less than 10 empl.



36
22
${ }^{44} \pi$

Hybrid
100\% Battery Electric Vehicle


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - Focus 10-99 empl.


ALREADY USING OR CONSIDER USING IN THE NEXT 3 YEARS

| 37 | $42 \pi$ |
| :--- | :--- |
| 23 | 26 |

Plug-in Hybrid


Arval Mobility
Observotory


Hybrid

100\% Battery Electric Vehicle

## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - Focus 100-499 empl.



## Plug-in Hybrid



Hybrid
100\% Battery


Electric Vehicle


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - Focus 500 empl. or more



Hybrid

55


100\% Battery Electric Vehicle


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - Focus on 1 to 99

Passenger cars



Plug-in Hybrid

ALREADY USING OR CONSIDER USING IN THE NEXT 3 YEARS


Hybrid
$53 \pi$


100\% Battery

Electric Vehicle


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - Focus on 100 and more


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Passenger car fleet


Passenger cars


ALREADY USING
OR CONSIDER
USING IN THE NEXT 3 YEARS


ALREADY $\qquad$ USING

## 4



Plug-in Hybrid



100\% Battery Electric Vehicle

REASONS FOR IMPLEMENTING OR CONSIDERING ALTERNATIVE FUEL TECHNOLOGIES
Passenger car fleet

Because of their lower environmenta
impact


## CONSIDERATION FOR ALTERNATIVE FUEL TECHNOLOGIES

(At least one technology among 100\% BEV and Hydrogen Fuel cell)

HOW TO READ THE RESULTS?
In Switzerland, 32\% of the companies are already using or consider to implement at least one alternative technology in the next 3 years. $8 \%$ of the companies is currently using at least one.
 OR CONSIDER USING IN THE NEXT 3 YEARS
 USING


## 

AT CH DE ES FR GR IT PT UK BE LU NL CZ PL SK RO DK FI NO SE MA TR BR CL PE US CA MX AU NZ

## CONSIDERATION FOR ALTERNATIVE FUEL TECHNOLOGIES

(At least one technology among $100 \%$ BEV and Hydrogen Fuel cell)


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years


100\% Battery
Electric Vehicle


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - Less than 10 empl.


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - 10-99 empl.


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - 100-499 empl.


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - 500 empl. or more


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - Focus on 1 to 99


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY

Evolution vs. previous years - Focus on 100 and more


## ALTERNATIVE FUEL TECHNOLOGIES USAGE - DETAIL PER TECHNOLOGY*

LCV Fleet


ALREADY USING OR CONSIDER
USING IN THE NEXT 3 YEARS



100\% Battery
Electric Vehicle


Hydrogen Fuel cell
*New item

## REASONS FOR IMPLEMENTING OR CONSIDERING ALTERNATIVE FUEL TECHNOLOGIES

## LCV fleet

Because of their lower environmental

To improve your company image

Because their total cost of ownership is in line with or lower than petrol or diesel alternatives

To anticipate future restrictive public
policies

To fulfil your employees' requests

## EXPECTED FLEET SHARE PER ENERGY

## In \%

HOW TO READ THE RESULTS
In Switzerland in 3 years, 30\% of the companies passenger car fleet will be $100 \%$ BEV.


## EXPECTED FLEET SHARE PER ENERGY

HOW TO READ THE RESULTS ?

## - <br> Passenger cars



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## EXPECTED FLEET SHARE PER ENERGY



HOW TO READ THE RESULTS ?



This question has been asked differently in 2023, no comparison vs 2022 In your opinion, what percentage of your light commercial vehicle fleet will be: $100 \%$ battery electric, Plug-in Hybrid, Hybrid, petrol or diesel vehicles in 3 years? Basis: companies with LCV

## EXPECTED FLEET SHARE PER ENERGY

## In \% <br> LCVs

HOW TO READ THE RESULTS ?
$100 \%$ battery electric
Plug-in Hybrid Hybrid Petrol or Diesel Other


[^3]
## ENERGY MIX

FOCUS PER ALTERNATIVE TECHNOLOGY


## HYBRID: IMPLEMENTATION WITHIN COMPANY FLEET POLICY



ALREADY USING OR CONSIDER IN THE NEXT 3 YEARS $\qquad$


## 

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[^4]
## HYBRID: IMPLEMENTATION WITHIN COMPANY FLEET POLICY



## PLUG-IN HYBRID: IMPLEMENTATION WITHIN COMPANY FLEET POLICY

## In \% <br> Passenger cars



PLUG-IN HYBRID: IMPLEMENTATION WITHIN COMPANY FLEET POLICY


## 100\% BATTERY ELECTRIC VEHICLE: IMPLEMENTATION WITHIN COMPANY FLEET POLICY

## In \% <br> Passenger cars



100\% BATTERY ELECTRIC VEHICLE: IMPLEMENTATION WITHIN COMPANY FLEET POLICY


```
In %
F-
LCVs
```



ALREADY USING OR CONSIDER IN THE NEXT 3 YEARS $\qquad$



```
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```

100\% BATTERY ELECTRIC VEHICLE: IMPLEMENTATION WITHIN COMPANY FLEET POLICY


HYDROGEN FUEL CELL ELECTRIC VEHICLE : IMPLEMENTATION WITHIN COMPANY FLEET POLICY


ALREADY USING OR CONSIDER IN THE NEXT 3 $\qquad$
YEARS


New item added in 2023

HYDROGEN FUEL CELL ELECTRIC VEHICLE : IMPLEMENTATION WITHIN COMPANY FLEET POLICY


## CONSTRAINTS OF 100\% BATTERY ELECTRIC VEHICLE USAGE

## In \% <br> Passenger cars + LCVs

$$
\begin{array}{|l|l}
\hline & \\
& \\
& \text { do not consider } \\
\text { implementing } \\
& \text { battery electric } \\
\text { vehicles }
\end{array}
$$

## 51



## ACCESS TO CHARGING POINTS



## CHARGING POINT ACCESS MANAGEMENT



## DRIVER SUPPORT FOR CHARGING POINT INSTALLATION



## WHAT ARE THE PERSPECTIVES IN TERMS OF MOBILITY SOLUTIONS?



## MOBILITY SOLUTIONS

Corporate car sharing: where an employee can make a vehicle reservation via an external solution



## A STABLE DEVELOPMENT OF MOBILITY SOLUTIONS, WITH YET SOME POSITIVE PERSPECTIVES

To note: in 2023, were interviewed only respondents who are aware of mobility solutions, which means almost $82 \%$ of overall population (no impact on the representativity of the results). Around one third of the respondents were managing directors.
And a new "car or cash allowance" mobility solution was tested, allowing no comparison of mobility solutions implementation vs 2022.

1. --- This year, the share of companies having adopted at least one mobility solution is on par with the European average. The intention to implement mobility solutions is increasing (already using or consider in the next 3 years, $89 \%$ vs $75 \%$ ) If the implementation seems quite balanced between mobility solutions, ride sharing and public transport are the most widespread, smaller companies seem more voluntarist on "innovative" ones: corporate car sharing, mobility budget, mobility app.

The development of mobility solutions is mostly driven by CSR and company attractiveness motivations, but also HR-related needs / employees' requests and remains considered as an add-on to the corporate fleet, few companies considering giving up all or part of their fleet for such alternatives.

The allowance of a mobility budget to employees is mostly seen as an opportunity to offer more flexibility in their employees' mobility and also to lower mobility costs.

## MOBILITY SOLUTION DECISION MAKERS

RESPONDENTS INVOLVEMENT IN MOBILITY SOLUTION DECISIONS


POSITION OF THE PERSON WHO DECIDES ON MOBILITY SOLUTIONS


POSITION OF THE PERSON WHO DECIDES ON MOBILITY SOLUTIONS


## MOBILITY SOLUTIONS LIST AND DEFINITIONS



RIDE SHARING: where several employees travel in the same car to the same destination

BIKE (OR OTHER TWO WHEELS) SHARING / BIKE (OR OTHER TWO WHEELS) LEASING solution provided by the company

PUBLIC TRANSPORT
CORPORATE CAR SHARING:
where an employee can make a vehicle reservation via an external solution

## -



MOBILITY BUDGET predefined budget granted by the employer allowing employees to choose their mode of transport

## AN APP TO BOOK MOBILITY SOLUTIONS PROVIDED

 BY THE COMPANYPRIVATE LEASE OR SALARY SACRIFICE (private lease where an employee leases a car on his own behalf / salary

8 sacrifice where an employee leases a car via their employer)


A SHORT OR MID TERM RENTAL VEHICLE to provide transport for an employee

## MOBILITY SOLUTIONS IMPLEMENTATION

At least one already implemented
List of the alternative mobility solutions: CORPORATE CAR SHARING RIDE SHARING
BIKE SHARING / BIKE LEASING PUBLIC TRANSPORT
MOBILITY BUDGET
AN APP TO BOOK MOBILITY SOLUTIONS PROVIDED BY THE COMPANY
PRIVATE LEASE OR SALARY SACRIFICE A SHORT OR MID TERM RENTAL VEHICLE CAR OR CASH ALLOWANCE *N EHIC


ALREADY USING OR CONSIDER IN THE NEXT 3 YEARS

$\begin{array}{llllllllllllllll}75 & 73 & 81 & 70 & 79 & 73 & 78 & 69 & 70 & 79 & 74 & 82\end{array}$


97

$$
9495
$$



## MOBILITY SOLUTIONS IMPLEMENTATION

At least one already implemented (including car or cash allowance)


## OVERVIEW OF MOBILITY SOLUTIONS IMPLEMENTATION

## 73\%

Of companies have already implemented at least one of these solutions


ALREADY USING OR CONSIDER IN THE NEXT 3 YEARS


ALREADY USING


## OVERVIEW OF MOBILITY SOLUTIONS IMPLEMENTATION

Focus on 1 to 99
$75 \%$ Of companies have already implemented at least one of these solutions

+ ?


Which of the following have you implemented or will you implement in the next 3 years? Response scale: Already using, considered in the next 3 years, not interested

## OVERVIEW OF MOBILITY SOLUTIONS IMPLEMENTATION

Focus on 100 and more

71\%
Of companies have already implemented at least one of these solutions
+

## Hy ?

+ ALREADY USING
OR CONSIDER IN
THE NEXT 3
YEARS

ALREADY USING


## CORPORATE CAR SHARING IMPLEMENTATION



ALREADY IMPLEMENTED OR CONSIDER NEXT 3 YEARS


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## CORPORATE CAR SHARING IMPLEMENTATION



## BIKE (OR OTHER TWO WHEELS) SHARING / LEASING IMPLEMENTATION



YEARS


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## BIKE (OR OTHER TWO WHEELS) SHARING / LEASING IMPLEMENTATION



ALREADY USING OR CONSIDER IN THE NEXT 3 YEARS


ALREADY USING





## PUBLIC TRANSPORT IMPLEMENTATION


$\qquad$



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PUBLIC TRANSPORT IMPLEMENTATION


[^5]
## MOBILITY BUDGET IMPLEMENTATION


$\qquad$
YEARS



## 

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## MOBILITY BUDGET IMPLEMENTATION



## AN APP TO BOOK MOBILITY SOLUTIONS IMPLEMENTATION



ALREADY USING OR CONSIDER IN THE NEXT 3 YEARS

ALREADY USING


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## AN APP TO BOOK MOBILITY SOLUTIONS IMPLEMENTATION



## PRIVATE LEASE OR SALARY SACRIFICE IMPLEMENTATION



ALREADY USING OR CONSIDER IN THE NEXT 3 YEARS


## 

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PRIVATE LEASE OR SALARY SACRIFICE IMPLEMENTATION


## SHORT OR MID-TERM RENTAL VEHICLES IMPLEMENTATION




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## SHORT OR MID-TERM RENTAL VEHICLES IMPLEMENTATION



Which of the following have you implemented or will you implement in the next 3 years Response scale: Already using, considered in the next 3 years, not interested Basis: companies with corporate vehicles $=100 \%$ Question asked to respondents that are aware of mobility solutions

## CAR OR CASH ALLOWANCE IMPLEMENTATION




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## CAR OR CASH ALLOWANCE IMPLEMENTATION



REASONS TO OFFER A MOBILITY BUDGET

## In \% <br> Passenger cars + LCVs

You support your employees in their wish for more options and flexibility in relation to mobility

It brings lower cost of mobility

It fits your views on doing business in sustainable and responsible way

Higher productivity as a result of different use of time



47

39

31

28

## 测 +1046

Low basis

Low basis

Low basis

Low basis

## REASONS FOR IMPLEMENTING OR CONSIDERING MOBILITY SOLUTIONS

## In \%

For reasons related to CSR (company
social responsibility) policies

To improve employer branding / company attractiveness for employees

Because of HR related needs like talent recruitment, retaining employees etc.

To anticipate upcoming regulations

To answer specific requests of some
employees

To provide a safe commute to employees for the sanitary reasons

Because of tax incentives


WHAT ARE THE USAGES IN TERMS OF CONNECTED VEHICLES, DIGITAL TOOLS AND ROAD SAFETY EQUIPMENTS?


## THE USE OF TELEMATICS IS STRENGTHENING IN SWITZERLAND, ESPECIALLY FOR LCVS



In line with the European trend, the use of connected vehicles is increasing in Switzerland this year, with $\mathbf{4 0 \%}$ of Swiss companies using telematics tools for their fleet.

In detail, this increase is mostly driven by LCVs, jumping from $18 \%$ last year to $28 \%$ in 2023 , while telematics is booming among mid-size companies which are now catching up with larger ones.

The main reasons to use telematics slightly evolve this year:

- Improve drivers safety / behaviours (more important in large companies)
- Reduce fleet costs (more important in small companies)
- Locate vehicles and improve vehicle security (more important in small companies)
- Improve operational efficiency (more important in larger companies)

Connectivity is now slightly more implemented among LCVs (28\%) than among passenger cars (24\%), Swiss companies being not very far from the European average in both cases.

## CONNECTED VEHICLES



## PROPORTION OF COMPANIES USING CONNECTED VEHICLES

All vehicles

NET OF YES: YES, FOR ALL THE FLEET + YES, FOR PART OF THE FLEET
HOW TO READ THE RESULTS ?
$40 \%$ of companies with fleet using connected vehicles for all or part of their fleet
$24 \%$ use connected vehicles for passenger cars, while $28 \%$ use connected vehicles for LCVs.


Is your fleet connected thanks to a telematic tool?
elematics enables transmission of data to the fleet manager to monitor fuel consumption, driver behaviour, vehicle location, driver's impact on environment... from vehicles on the move. Data is transmitted by means of an original or after sales equipment or box installed in the

PROPORTION OF COMPANIES USING CONNECTED VEHICLES
All vehicles


REASONS FOR USING CONNECTED VEHICLES


## REASONS FOR USING CONNECTED VEHICLES

All vehicles - Focus on 1 to 99

To locate vehicles or improve vehicle
Passenger cars + LCVs


To improve operational efficien
To avoid not allowed usage (e.g. for tax
reasons)

To optimize car sharing


## REASONS FOR USING CONNECTED VEHICLES

All vehicles - Focus on 100 and more

E-
To locate vehicles or improve vehicle security
Passenger cars + LCVs


To improve operational efficiency

To optimize car sharing

# CONNECTED VEHICLES, DIGITAL TOOLS AND ROAD SAFETY 

 A. PASSENGER CARS

## PROPORTION OF COMPANIES USING CONNECTED VEHICLES

Passenger cars

PROPORTION OF COMPANIES USING
CONNECTED VEHICLES FOR THEIR PASSENGER



AT

## PROPORTION OF COMPANIES USING CONNECTED VEHICLES

Passenger cars

HOW TO READ THE RESULTS ?
$24 \%$ use connected vehicles for passenger cars.


Is your fleet connected thanks to a telematic tool?
Telematics enables transmission of data to the fleet manager to monitor fuel consumption, on environment... from vehicles on the move. Data is transmitted by means of an original or after sales equipment or box installed in the vehicle. Telematics do not include data transmission by the mean of the users' smartphones. Basis: companies with at least one passenger car in fleet

## REASONS FOR USING CONNECTED VEHICLES

Passenger cars


CONNECTED VEHICLES, DIGITAL TOOLS AND ROAD SAFETY B. LCVs


## PROPORTION OF COMPANIES USING CONNECTED VEHICLES

LCVs


PROPORTION OF COMPANIES USING
CONNECTED VEHICLES FOR THEIR LCVs



## PROPORTION OF COMPANIES USING CONNECTED VEHICLES

LCVs
NET OF YES: YES, FOR ALL THE FLEET + YES, FOR PART OF THE FLEET
HOW TO READ THE RESULTS ?
$28 \%$ use connected vehicles for LCVs


Is your fleet connected thanks to a telematic tool?
elematics enables transmission of data to the fleet manager to monitor fuel consumption, driver behaviour, vehicle location, driver's impact on environment... from vehicles on the move. Data is transmitted by means of an original or after sales equipment or box installed in the vehicle. Telematics do not include data transmission by the mean of the users' smartphones.

## REASONS FOR USING CONNECTED VEHICLES

LCVs


To locate vehicles or improve vehicle security

To avoid not allowed usage (e.g. for tax reasons)

To optimize car sharing



## Thank you



APPENDIX


[^0]:    In the next three years, do you think that the total number of vehicles in your company fleet will increase, decrease or remain the same?

[^1]:    Basis: companies with corporate vehicles $=100 \%$

[^2]:    ${ }^{*}{ }_{\text {BE, FR, PL, CH, CZ, IT }}$

[^3]:    This question has been asked differently in 2023, no comparison vs 2022
    battery electric, Plug-in Hybrid, Hybrid, petrol or diesel vehicles in 3 years? In your opinion, what percentage of your light commercial vehicle fleet will be: $100 \%$ battery electric, Plug-in Hybrid, Hybrid, petrol or diesel vehicles in 3 years

[^4]:    Arval Mobility Observotory

[^5]:    Arval Mobility Observotory

