



# 2023 RECHARGE INSIGHTS

# WELCOME TO RECHARGE INSIGHTS!

We are glad to present Recharge Insights 2023, our annual report where we share exclusive information from inside one of the world's biggest and most utilized charging network for electric vehicles.

It has been more than a decade since we started building our charging network, and we now offer our customers more than 4500 charge points across approximately 800 locations in the Nordic countries. We have had a strong presence in Norway, Sweden and Finland for years, and we finally opened our first charging station in Denmark in 2023. We are opening more locations in Denmark this year, and next year we will include our Danish operations in the Recharge Insights report.

We've continued growing our network in all our markets during 2023, and I am proud of our dedicated team who has increased our number of ultra fast charge points from 1177 to 2027 – that's 850 new charge points of up to 400 kilowatts (kW).

In 2023 we opened our first modular and load balanced 800 volt charging stations providing 400 kW, and we opened our first charging stations dedicated to heavy duty vehicles. We established our Energy Solutions business line, which will allow us to grow from being a charge point operator to becoming an energy company, providing important support services to the electricity grid. This could not have been done without our dedicated people, and we are happy to have welcomed 24 new colleagues during 2023.

Our growth in charge points as well as our growth in energy delivered comes mainly from ultra fast chargers. This is according to our strategy, increasing our offering of the fastest chargers on the market. While we increased our number of ultra fast chargers by 72 percent, the amount of energy delivered from those chargers increased by 90 percent and the number of sessions by 79 percent. The utilization of our ultra fast chargers is increasing, even though a massive amount of new charge points have been built also by our competitors.

We are happy to see that our Norwegian market share of fast and ultra fast charge points remains strong at 19.5 percent. Recharge built 476 new ultra fast charge points in Norway during 2023. However, our competitors have all ramped up their efforts, and a record breaking 2009 fast and ultra fast charge points were built during 2023. At the same time we see a decline in expected EV sales in 2024, leading to market saturation for public charge points, not just in Norway, but also in Sweden and Finland. From our point of view, there are now too many charge points, compared with how many EVs there are on the roads. The Nordic countries need to ramp up their efforts to help people buy electric cars instead of polluting fossil fuel cars. It is crucial that Norway's goal of only selling zero emission cars from 2025 is met. The Swedish government should look at how they can change the negative trend that is expected for EV sales in 2024. Finland has no incentives for people buying electric passenger cars, and this is reflected in the low number of EVs in Finland. Both the Swedish and Finnish governments would do well to utilize both the stick and the carrot to help hasten the energy transition along Nordic roads. Recharge will continue to build charging stations for electric cars in 2024, and we'll do it without public subsidies, but we need to adjust our tempo to how the market develops.

One of many interesting finds in this report is that the average energy delivered per charging session continues to rise, across all categories and in all countries. Sweden, however, stands out, as Swedish EV drivers are both getting more energy per charging session, but also spending less time at the chargers. Our Swedish customers are still spending several minutes more than Norwegians and Finns, but we are happy to see that they now spend less time, while getting more energy than before. Perhaps more people are aware that you should make sure your battery is heated and at a low state of charge before plugging in to a fast or ultra fast charger.

These are only some of the many insights you'll find in this annual Recharge Insights 2023 report. Subscribe at [rechargeinfra.com/insights](https://rechargeinfra.com/insights) to have them delivered directly to your inbox.

Enjoy!



Kind regards,

A stylized, handwritten signature in white ink, consisting of several overlapping strokes.

**Håkon Vist**  
CEO



## CHARGE POINTS **NORDIC**

# 4 145



**Slow chargers**  
from 3 kW - 22 kW

**1 522**  
Charge points



**Fast chargers**  
from 50 kW - 149 kW

**694**  
Charge points



**Ultra fast chargers**  
from 150 kW - 400 kW

**1 929**  
Charge points



ENERGY DELIVERED | kWh  
**79 820 333 kWh**

Slow chargers **3 864 743 kWh** | Fast chargers **22 584 265 kWh**  
 Ultra fast chargers **53 371 325 kWh**



Type 2

**3 975 342 kWh**



CCS

**69 472 594 kWh**

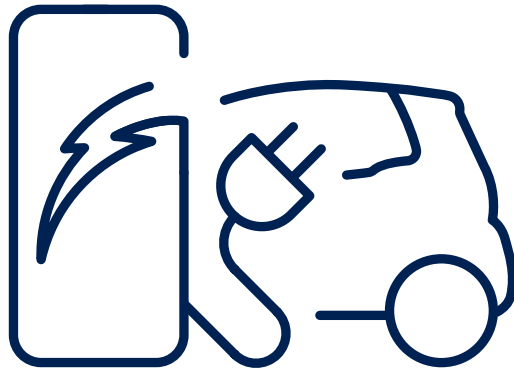


CHAdeMO

**6 372 398 kWh**



Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW



# NUMBER OF SESSIONS

# 3 576 067

Slow chargers **259 097** | Fast chargers **1 326 673**  
 Ultra fast chargers **1 990 297**



Type 2

**273 477**



CCS

**2740 924**



CHAdeMO

**561 569**



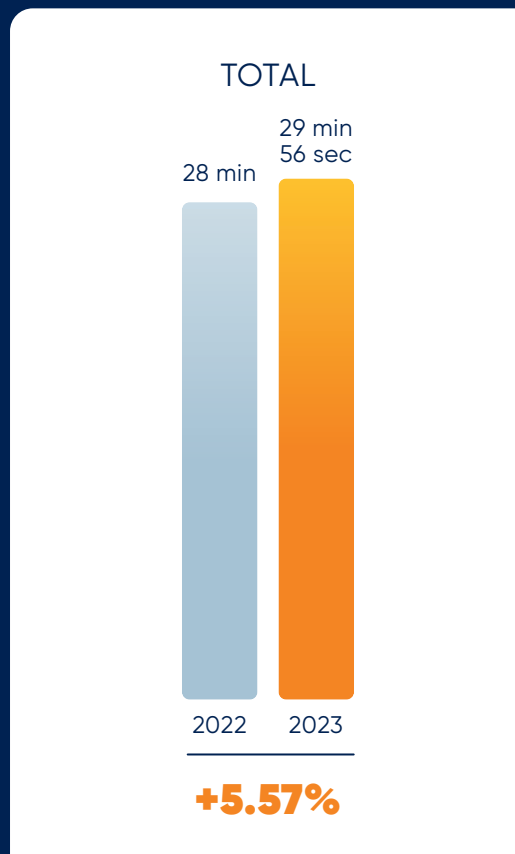
Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW

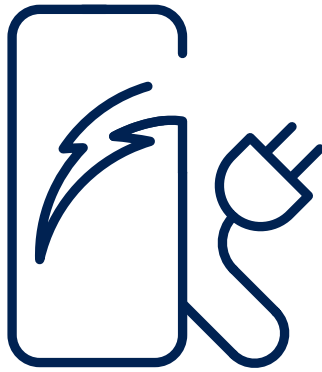


# 29 min 56 sec

Fast chargers **31 min 18 sec** | Ultra fast chargers **29 min 01 sec**

AVERAGE CHARGING TIME 2022 | 28 min





## AVERAGE ENERGY DELIVERED PER SESSION

# 22.32 kWh

Slow chargers **14.92 kWh** | Fast chargers **17.02 kWh**  
Ultra fast chargers **26.82 kWh**



Type 2

**14.54 kWh**



CCS

**25.35 kWh**



CHAdeMO

**11.35 kWh**



Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW



KILOMETERS CHARGED IN 2023

399 101 665\* KM

\* Average of 0.20 kWh per km



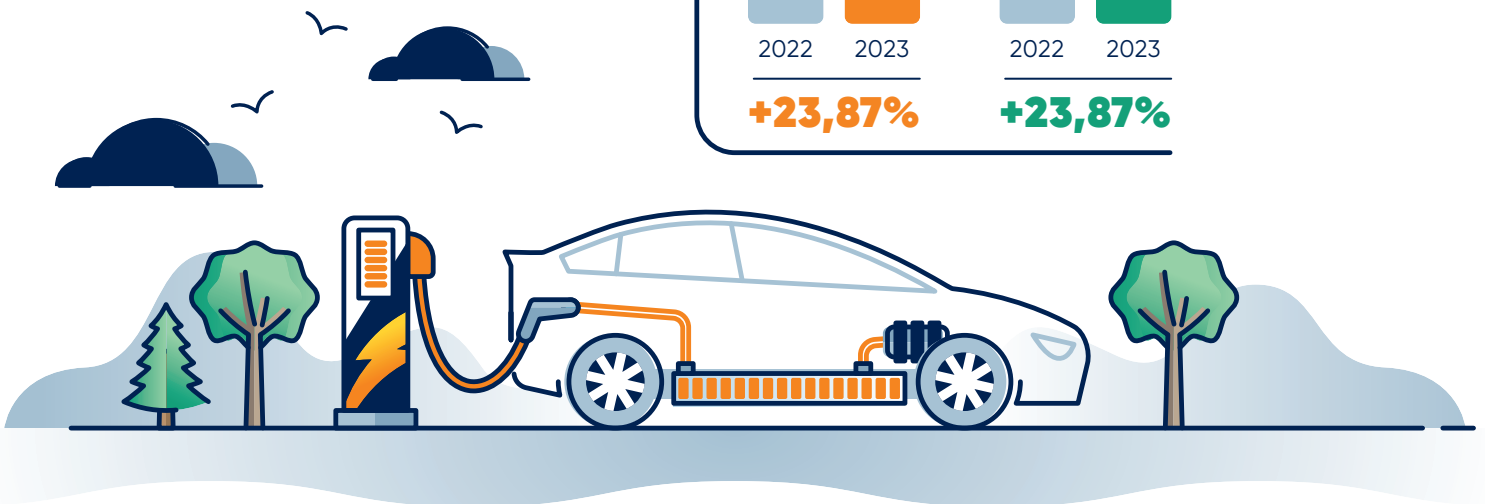
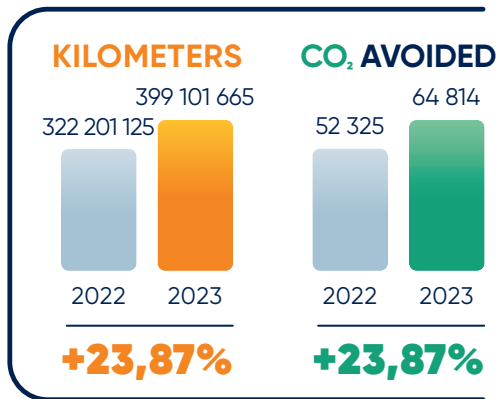
9959 TIMES AROUND THE EARTH



CO<sub>2</sub> AVOIDED

64 814\* TONS

\* CO<sub>2</sub> calculation: 1 km = 162.4 gram CO<sub>2</sub>







NUMBER OF **EMPLOYEES**

**73**

NUMBER OF **EMPLOYEES 2022** | 59

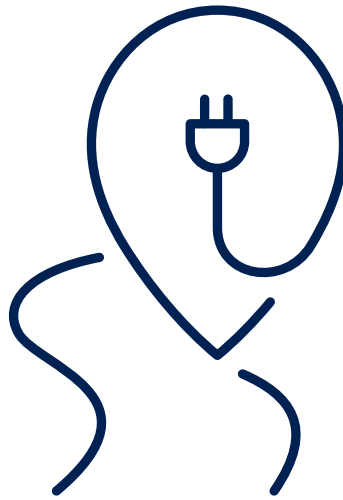
EMPLOYEES BY  
**COUNTRY 2023**





# RECHARGE INSIGHTS NORWAY 2023





**New locations:** Shell Solakrossen | Shell Bjerkvik | Shell Figga | Esso Borre | Shell Stjørdal | Shell Karmsundgata | Kiwi Humlehaugen | Esso Kløfta | Esso Bekkefaret | Esso Mandalskrysset | Shell Bolsønes | Shell Åsby | Shell Namdalseid | Shell Haugåsveien | Shell Kløfta | Esso Holmlia | Shell Veme | Esso Bankhjørnet | Recharge Grønli | Recharge Stovner Senter | Esso Øystese | Shell Sande | Esso Lom | Esso Kjellerholen | Shell Svolvær | Shell Balsfjord | Esso Rugtvedt | Esso Skarnes | Shell Lasses | Shell Bilbyn | Shell Karmøy | Shell Sparbu | Kiwi Havstad | McDonald's Eidsvoll Verk | Spar Sundbyfoss | Kiwi Volda | Kiwi Engelsviken | CC Hamar P-hus | Esso Park | Coop Extra Kaupanger | Sogn Stormarked Kaupanger | Esso Rolvsøy | Eurospar Skjevik |

**Upgraded locations:** Shell Koppang | Esso Grålum | Esso Flemminghjørnet | IKEA Åsane | Esso Ryen | Recharge Re-torvet | Spar Drangedal | YX Jaren | Esso Rønvik | Kiwi Gudridflaten | McDonald's Nygårdskrysset | McDonald's Furuset | McDonald's Rygge | Shell Lygnasæter | Recharge Arendal | McDonald's Sarpsborg | Recharge Nebbenes | IKEA Slepender | IKEA Ringsaker | McDonald's Råbekken | Vulkan P-hus Oslo | Bjølsen | Frogner | Alti Magneten |



| Grønli |



| IKEA Åsane |



| McDonald's Sarpsborg |



Charge points  
**NORWAY**



**2 615**



**Slow chargers**  
from 3 kW - 22 kW

**1 021**

Charge points



**Fast chargers**  
from 50 kW - 149 kW

**504**

Charge points



**Ultra fast chargers**  
from 150 kW - 400 kW

**1 090**

Charge points



ENERGY DELIVERED | kWh  
**58 659 474 kWh**

Slow chargers **2 633 410 kWh** | Fast chargers **19 232 839 kWh**  
 Ultra fast chargers **36 793 225 kWh**



Type 2

**2 863 550 kWh**



CCS

**49 981 111 kWh**

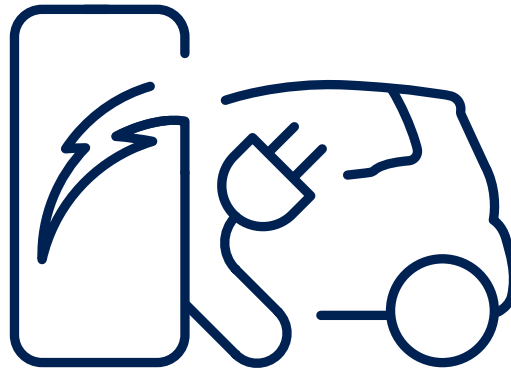


CHAdeMO

**5 814 814 kWh**



Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW



# NUMBER OF SESSIONS 2 780 714

Slow chargers **151 506** | Fast chargers **1 162 588**  
Ultra fast chargers **1 466 620**



Type 2

**168 227**



CCS

**2 090 276**



CHAdeMO

**522 114**



Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW

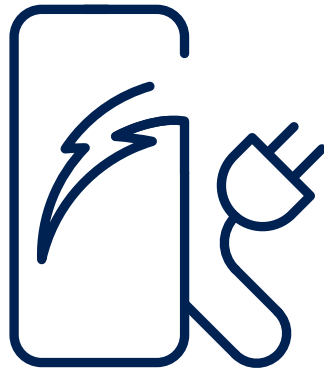


# AVERAGE CHARGING TIME 29 min 33 sec

Fast chargers **30 min 41 sec** | Ultra fast chargers **28 min 41 sec**

## AVERAGE CHARGING TIME 2022 | 28 min





## AVERAGE ENERGY DELIVERED PER SESSION

# 21.10 kWh

Slow chargers **17.38 kWh** | Fast chargers **16.54 kWh**  
Ultra fast chargers **25.09 kWh**



Type 2

**17.02 kWh**



CCS

**23.91 kWh**



CHAdeMO

**11.14 kWh**



Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW





KILOMETERS CHARGED IN 2023  
**293 297 370** <sup>\*</sup> KM

\* Average of 0.20 kWh per km

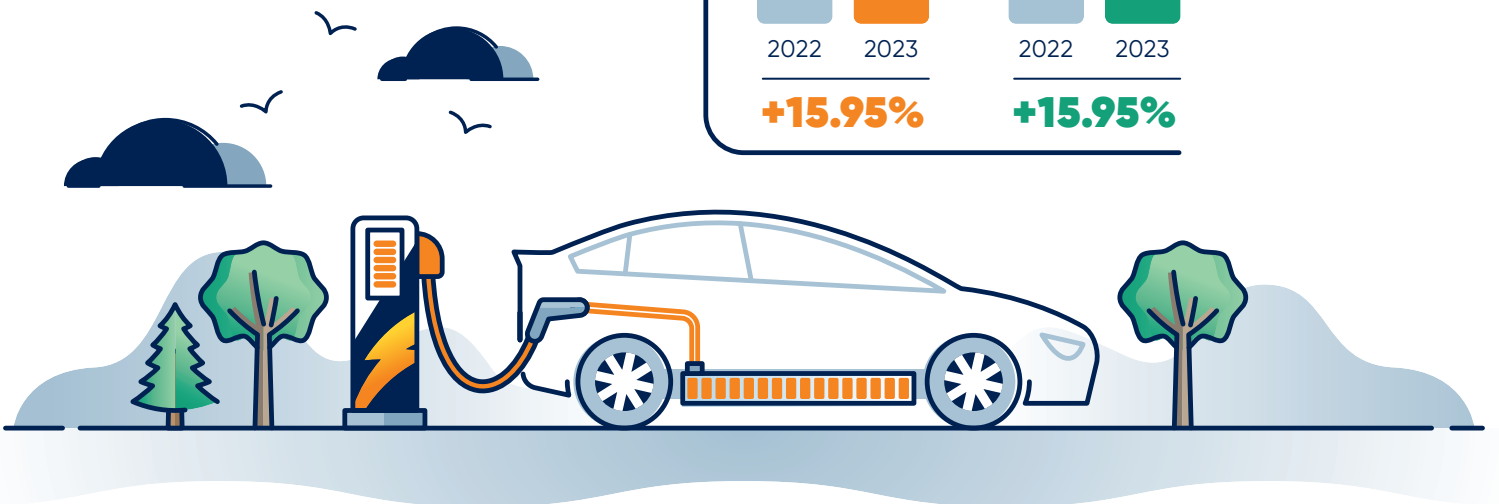
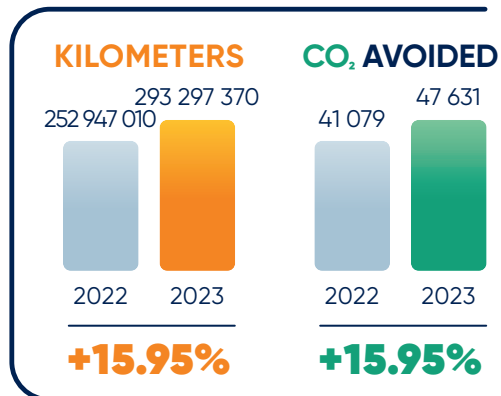


**7 319** TIMES AROUND THE EARTH



CO<sub>2</sub> AVOIDED  
**41 079** <sup>\*</sup> TONS

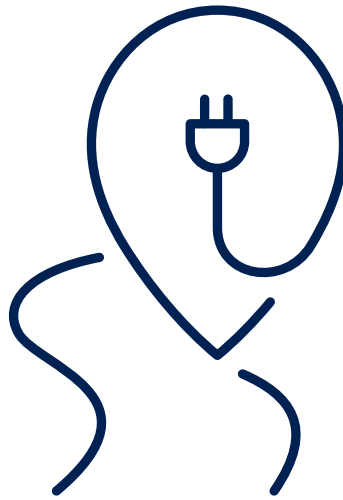
\* CO<sub>2</sub> calculation: 1 km = 162.4 gram CO<sub>2</sub>





# RECHARGE INSIGHTS SWEDEN 2023





**New locations:** ICA Sveg | Willys Åmål | Burger King Gislaved | Säffle Karlavagnsvägen | Dollarstore Katrineholm | Burger King Värnamo | Preem Örebro | McDonald's Sundsvall Birsta | IKEA Kalmar | IKEA Örebro | McDonald's Västra Frölunda | McDonald's Norrköping Ingelsta | IKEA Bäckebo | IKEA Haparanda | Burger King Västervik | IKEA Borlänge | Preem Grums | Preem Söderhamn | Preem Halmstad | Preem Falun Nedre Heden | McDonald's Borås Göteborgsvägen | Burger King Eksjö | Preem Kalmar Polhemsgatan | Sibylla Hofors | Diner45 Sunne | ChopChop Falun | McDonald's Hägernäs |

**Upgraded locations:** McDonald's Värnamo | McDonald's Visby | McDonald's Ulricehamn | Preem Malmö Thomsons Väg | McDonald's Mariestad | Preem Borås |



| IKEA Bäckebo |



| McDonald's Hägernäs |



| Preem Söderhamn |



Charge points  
**SWEDEN**



**748**



**Slow chargers**  
from 3 kW - 22 kW

**192**

Charge points



**Fast chargers**  
from 50 kW - 149 kW

**101**

Charge points



**Ultra fast chargers**  
from 150 kW - 400 kW

**455**

Charge points



ENERGY DELIVERED | kWh  
**12 900 927 kWh**

Slow chargers **272 384 kWh** | Fast chargers **2 282 260 kWh**  
 Ultra fast chargers **10 346 283 kWh**



Type 2

**271 757 kWh**



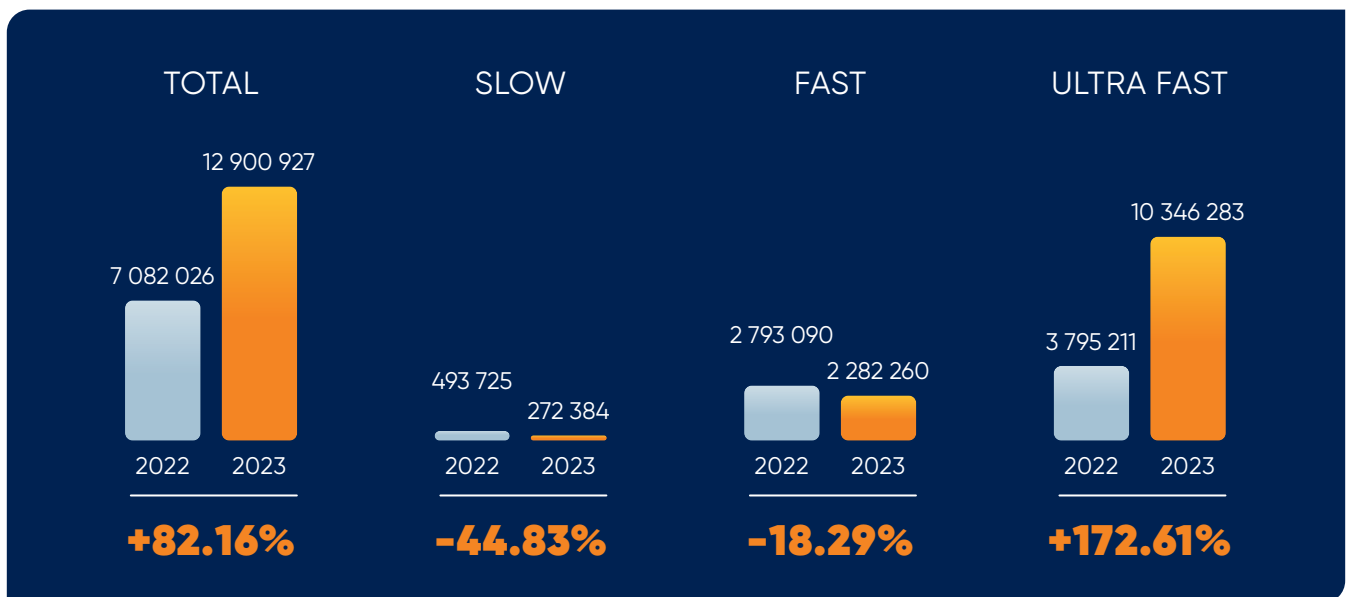
CCS

**12 287 235 kWh**

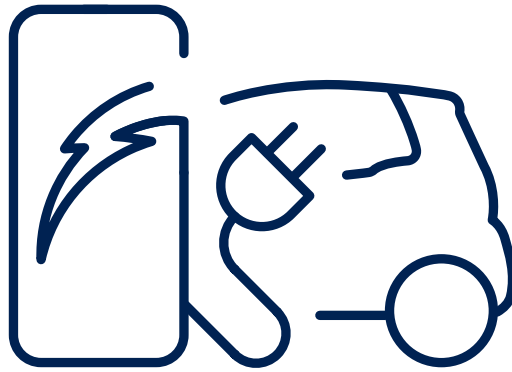


CHAdeMO

**341 935 kWh**



Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW



### NUMBER OF SESSIONS

# 451 874

Slow chargers **19 054** | Fast chargers **107 749**  
Ultra fast chargers **325 071**



Type 2

**21 966**



CCS

**407 570**



CHAdeMO

**22 338**



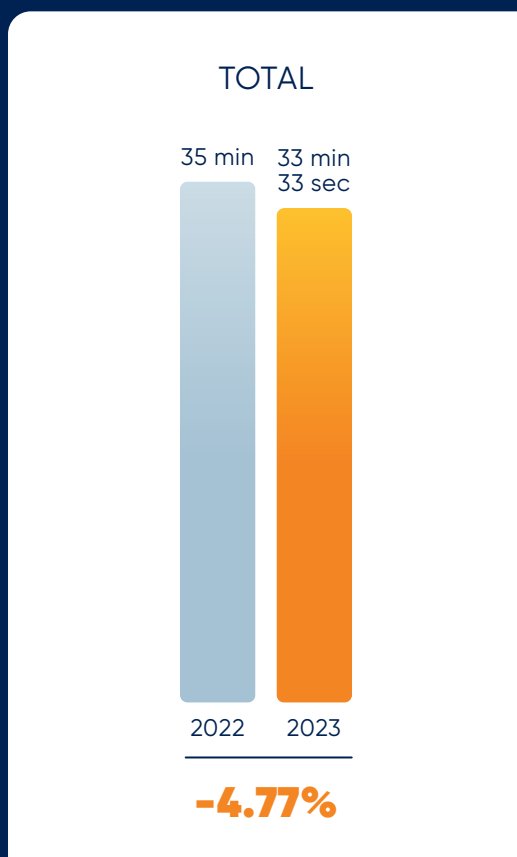
Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW

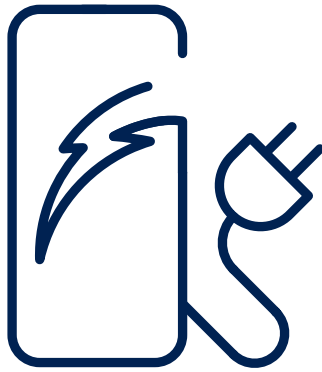


# AVERAGE CHARGING TIME 33 min 33 sec

Fast chargers **39 min 04 sec** | Ultra fast chargers **31 min 44 sec**

## AVERAGE CHARGING TIME 2022 | 35 min





## AVERAGE ENERGY DELIVERED PER SESSION

# 28.55 kWh

Slow chargers **14.30 kWh** | Fast chargers **21.18 kWh**  
Ultra fast chargers **31.83 kWh**



Type 2

**10.48 kWh**



CCS

**27.16 kWh**



CHAdeMO

**14.50 kWh**



Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW





**KILOMETERS CHARGED IN 2022**  
**64 504 635** <sup>\*</sup> **KM**

\* Average of 0.20 kWh per km

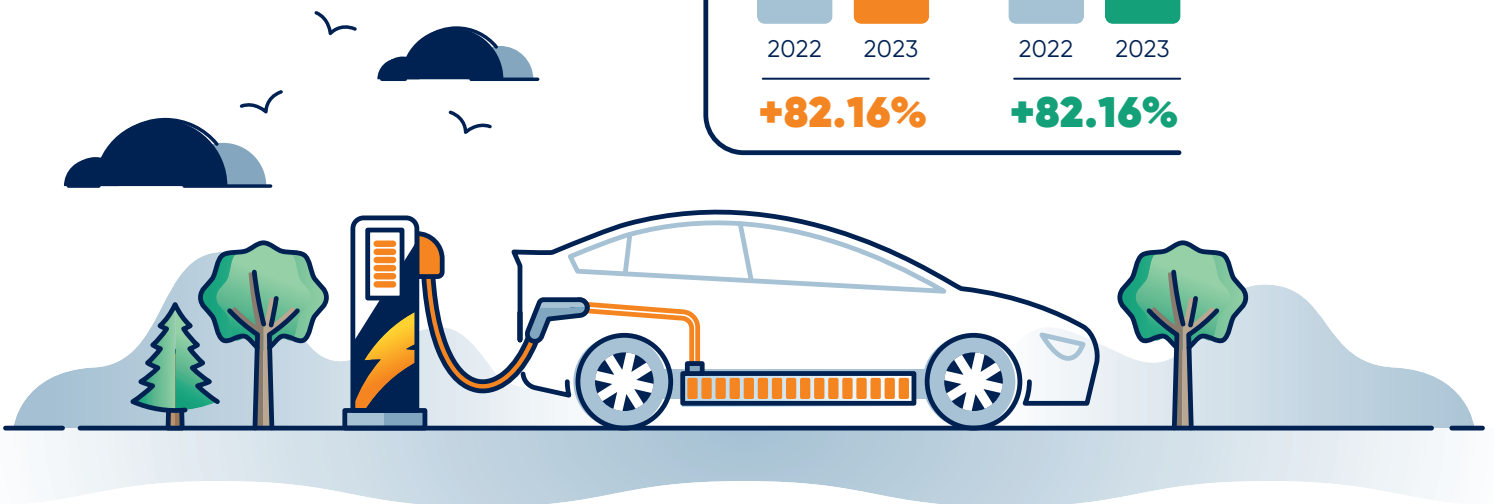
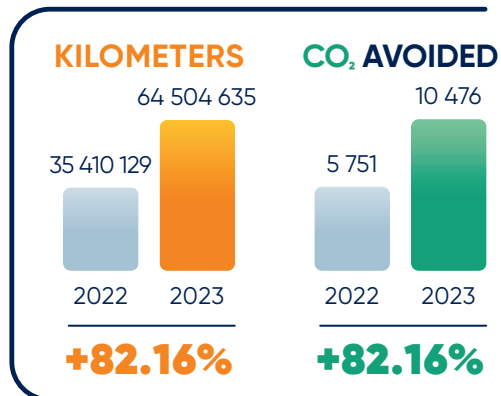


**1 610** TIMES AROUND THE EARTH



**CO<sub>2</sub> AVOIDED**  
**10 476** <sup>\*</sup> **TONS**

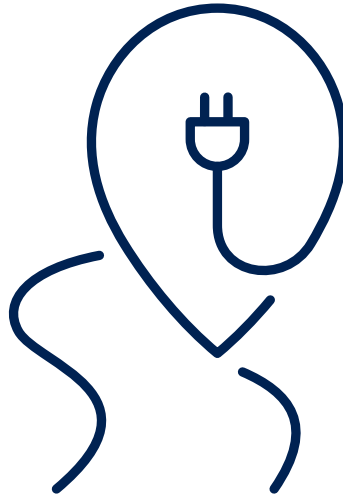
\* CO<sub>2</sub> calculation: 1 km = 162.4 gram CO<sub>2</sub>





# RECHARGE INSIGHTS FINLAND 2023





**New locations:** Helsinki Outlet | Maisemaravintola Merihelmi Kuivaniemi | Matkailukeskus Karhuntassu | McDonald's Espoo Niittykumpu | McDonald's Jyväskylä Palokka | McDonald's Kirkkonummi | McDonald's Lahti Holma | McDonald's Lohja Lempola | McDonald's Pori Musa | McDonald's Riihimäki | McDonald's Rovaniemi Vierustie | McDonald's Vantaa Kaivoksela | Muurlan Tehtaanmyymälä | Neste Korpilahti | Neste Oulu Hiironen | Neste Vähäkyrö Tervajoki | P-Harjunrinne Jyväskylä | P-Killeri Jyväskylä | P-Satama Jyväskylä | P-Naissaari Jyväskylä | Tokmanni Kemijärvi | Riihikallion ostoskeskus Tuusula | Toriparkki K2 Kuopio | Verkatehdas Arts & Congress Center Hämeenlinna | Ykkös Cafe Piikkiö |

**Upgraded locations:** Juustoportti Jalasjärvi | Karoliinan Kahvimylly & Kestikievari | McDonald's Helsinki Kivikko | Hotelli Inari | McDonald's Järvenpää | McDonald's Tampere Kaukajärvi | Neste Jämsän Portti |



| Helsinki Outlet |



| Riihikallion ostoskeskus Tuusula |



| Neste Korpilahti |



Charge points  
**FINLAND**



**782**



**Slow chargers**  
from 3 kW - 22 kW

**309**

Charge points



**Fast chargers**  
from 50 kW - 149 kW

**89**

Charge points



**Ultra fast chargers**  
from 150 kW - 400 kW

**384**

Charge points



ENERGY DELIVERED | kWh  
**8 259 932 kWh**

Slow chargers **958 949 kWh** | Fast chargers **1 069 166 kWh**  
 Ultra fast chargers **6 231 817 kWh**



Type 2

**840 035 kWh**



CCS

**7 204 248 kWh**

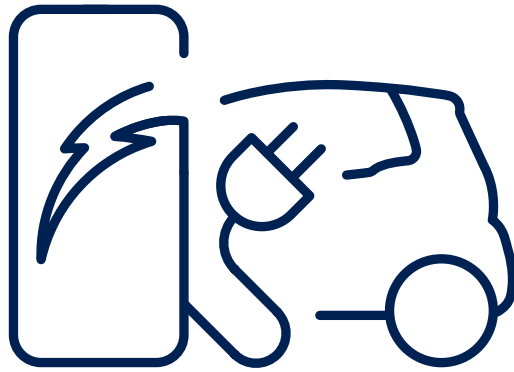


CHAdeMO

**215 649 kWh**



Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW



### NUMBER OF SESSIONS

# 343 479

Slow chargers **88 537** | Fast chargers **56 336**

Ultra fast chargers **198 606**



Type 2

**83 284**



CCS

**243 078**



CHAdeMO

**17 117**



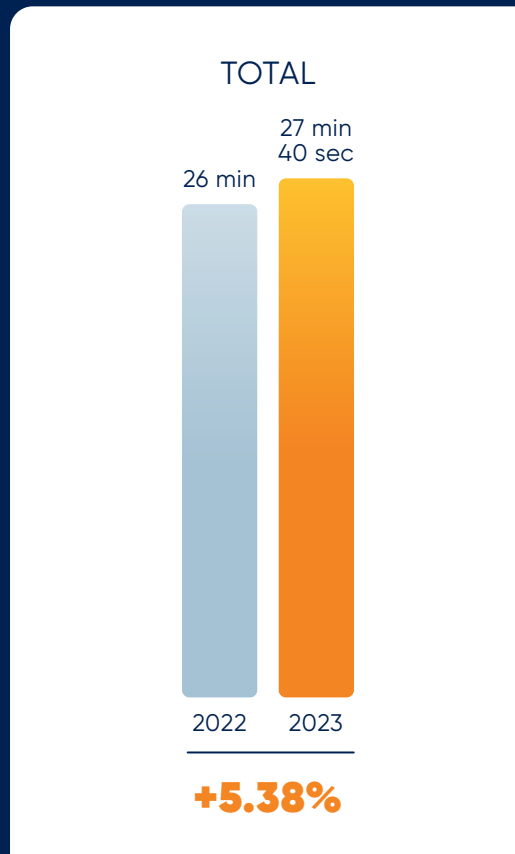
Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW

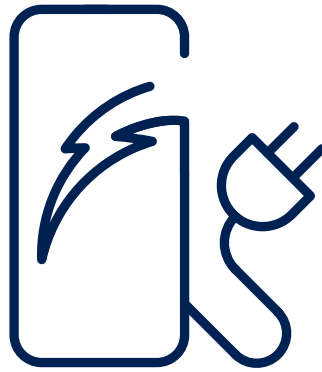


# AVERAGE CHARGING TIME **27 min 40 sec**

Fast chargers **29 min 38 sec** | Ultra fast chargers **27 min 06 sec**

## AVERAGE CHARGING TIME 2022 | **26 min**





## AVERAGE ENERGY DELIVERED PER SESSION

# 24.05 kWh

Slow chargers **10.83 kWh** | Fast chargers **18.98 kWh**  
Ultra fast chargers **31.38 kWh**



Type 2

**10.09 kWh**



CCS

**29.64 kWh**



CHAdeMO

**12.60 kWh**



Slow chargers from 3 kW - 22 kW | Fast chargers from 50 kW - 149 kW | Ultra fast chargers from 150 kW - 400 kW





**KILOMETERS CHARGED IN 2022**

**41 299 660** <sup>\*</sup> **KM**

\* Average of 0.20 kWh per km



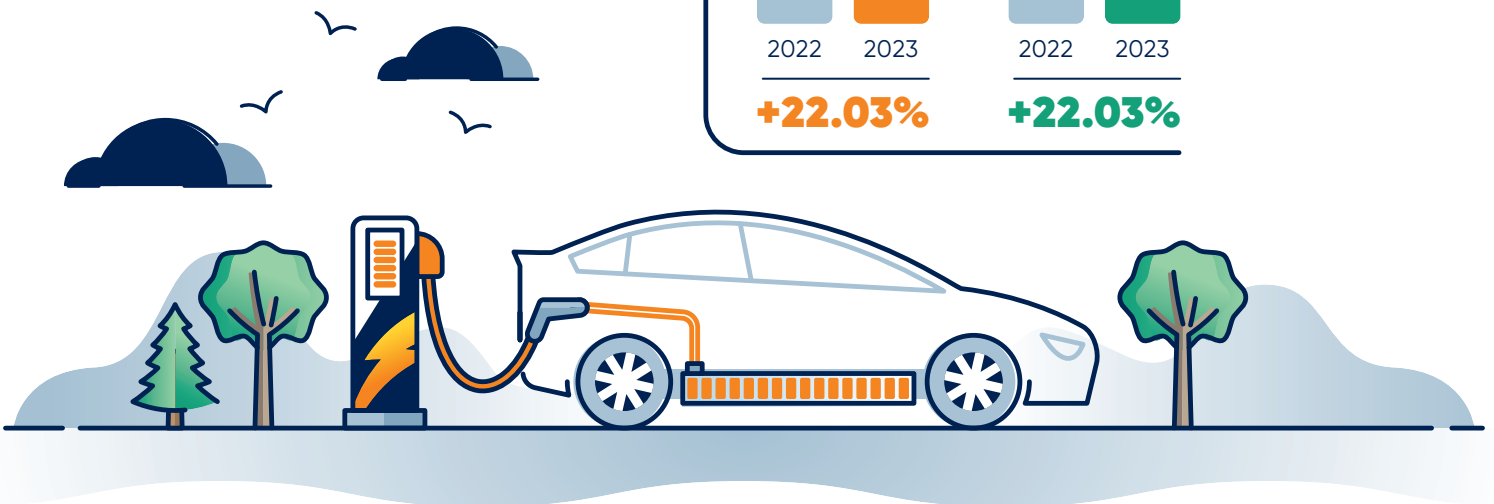
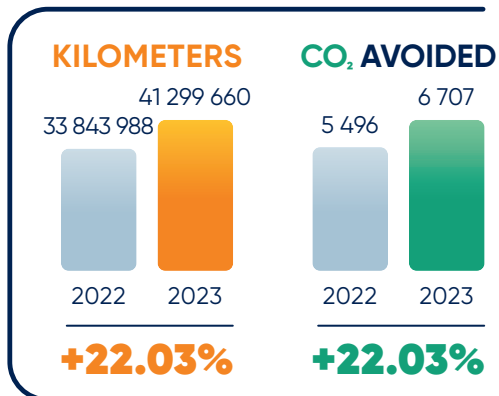
**1 031** TIMES AROUND THE EARTH



**CO<sub>2</sub> AVOIDED**

**6 707** <sup>\*</sup> **TONS**

\* CO<sub>2</sub> calculation: 1 km = 162.4 gram CO<sub>2</sub>





Read more at  
[rechargeinfra.com](https://rechargeinfra.com)

Contact us at  
[insights@rechargeinfra.com](mailto:insights@rechargeinfra.com)