

# Get to know your EV better

In recent years, vehicle electrification has become the front-runner for sustainability. With EVs becoming more mainstream, we need to better understand end-user charging and driving behaviour, as well as vehicle and infrastructure performance.

Chargetrip and Norsk elbilforening are launching a research project to do just this!

## What's in it for me?

If you're interested in how your EV compares to others on the road, or you just want to learn how to reduce your energy consumption, you should consider signing up!

All our participants will receive a consolidated report of all their EV usage and energy consumption, upon project completion. Chargetrip will provide metrics to help you better understand your driving behaviour and potentially help to reduce energy consumption. If possible, we'll also do a model-based comparison. For example, if you're driving a Volkswagen ID3, we can compare your energy consumption to other ID3s. The report is anonymized, so it will not contain or share any personal data.

Taking part in this project will help to increase the uptake of EVs, and move towards more sustainable transportation. By predicting the range of your EV more accurately, Chargetrip's routing engine can generate closer to optimal routes that directly benefits you. Together we're able to tackle range anxiety; a major barrier for EV adoption.

## What do I need to do?

All you need to do is install a telematics dongle into your EV (it'll only take 2-5 minutes) and drive. It's that easy!

Participation in this project is free! Geotab, a global leader in telematics systems, has provided hardware (dongles) that can be plugged into your EV and share real-time data. All parties involved are GDPR compliant and your data will never be shared with anyone else. Furthermore, your data belongs to you, so we'll delete it upon your request.

## Vehicle models

The project will last until September 2022. Initially, we are looking for owners of the following models:

### EV

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**Hyundai Ioniq**

**Hyundai Kona**

**Volkswagen ID3**

**Kia Niro**

**Skoda Enyaq**

**Nissan Leaf**  
2018 - Present

**Peugeot e-208**

**BMW i3**

**Volvo XC40**

**Audi e-tron**

**Jaguar i-Pace**

**Ford Mach-e**

**Opel Zafira**



## Chargetrip and Norsk elbilforening

Chargetrip and Norsk elbilforening have a long term partnership. Since 2017, both parties have worked together to accelerate the adoption of EVs across Europe by empowering drivers with tools like ElbilAppen, a dedicated route planner application built on top of Chargetrip's powerful SaaS routing engine.

Since the launch of ElbilAppen the EV industry has matured rapidly. Both Chargetrip and Norsk elbilforening continue to deliver the tools that help accelerate sustainable transportation across the Nordics and mainland Europe.

## How do we use the data?

- 1) State of charge of the battery** – Changes to the battery's SoC helps us understand energy consumption based on driving patterns and environmental conditions.
- 2) Location** – The location of the vehicle determines the environmental conditions like temperature, rain, traffic, etc, that play a major role in influencing vehicle range.
- 3) Vehicle Speed** – Speed significantly impacts the power demand and subsequently, the energy consumption.
- 4) Odometer reading** – The odometer reading is used to derive relations between distance driven and energy consumption. Additionally, the mileage helps us understand the battery's state-of-health
- 5) Charger connected/disconnected** – Helps us improve estimations on charging time which will result in more accurate wait-times at charging stations.

## Register

Ready to join the energy revolution? We request you to fill out an online form wherein you provide us with a name, email address and some vehicle details.

<https://tally.so/r/3xR8rn>

For more information about the project or for any other queries, please get in touch with us via

<https://www.chargetrip.com>