

DATA COLLECTION - INFO SHEET



Data will be collected concerning the charging and driving of the electric hackney carriages that participate in the demonstrator. This includes **personal data** for taxi drivers. This information sheet explains how data collected will be used in the project.

What methods are used for collecting the data?

Two vehicle types are involved in the WiCET project: Nissan Dynamo and LEVC TX. Vehicle data will be collected using Influx CAN Bus Rebel LT loggers.

Each of the trial vehicles is fitted with one of these data logging devices.

What is the purpose of collecting the data?

The project is seeking to understand how the wireless charging system is being used in comparison to “conventional” conductive charging alternatives. This includes the following four objectives to:

- Verify that wireless charging systems are working effectively.
- Analyse the sizing (number of chargers required), power and location required for wireless charging systems.
- Evaluate the business case for wireless charging.
- Provide Innovate UK with pseudonymised data as part of the overall wireless charging project cohort (of which the WiCET project is one of three).

How will the data be stored?

The vehicle usage data collected will be cleaned, aggregated and calculated to allow the project to complete analysis as per the objectives detailed above.

It is not possible to identify individuals explicitly from the vehicle usage data, and detailed GPS trip data will not be included in any public presentations unless express consent is received anonymously from the relevant driver via NCC.

How will the data be used?

GPS data – Knowing where the vehicle is and the routes taken will allow the project to fully understand the taxi’s operations and how it is influenced by wireless charging. GPS data will show when the vehicle is present at taxi ranks as well as the location types of any other charging infrastructure that the taxi may use. GPS data may also be used to identify the location of a trial vehicle in the event that it is stolen.

Vehicle speed – Vehicle speed data helps the project to understand the type of driving the taxi does (urban, rural, motorway etc) and how the vehicle range is impacted. This is important to determine the benefit of wireless charging.

Vehicle speed is not collected for the purpose of issuing penalties for speeding offences or monitoring driver behaviour. However, if a legitimate request for this data was made by law enforcement in relation to a recorded crime involving a trial vehicle with a logger fitted, the project may be obliged to share this information.

Who will the data will be shared with?

The WiCET project is made up of a number of consortium partners. As per the project collaboration agreement, the pseudonymised combined vehicle and driver data will be made available to other consortium partners on request **and** with Innovate UK’s nominated data analytics organisation, IBI. It will not be shared with Nottingham City Council.