Charging an electric vehicle, reimagined.
THE CHALLENGE

Electric vehicles were becoming a serious option for more people who previously did not think
they could own an electric car. This meant that more and more people needed to charge their
vehicles at home and about 46% of these people rented/lived in an apartment or multi-unit
dwelling. Of course, a property owner needed to approve installing an outlet where they parked to
charge. This, in turn, led to problems with electrical installations, panel capacity, and monitoring of
energy used.

85%  A perceived lack of charging stations

83%  High cost of cars and ownership

74%  Uncertainty over duration of charge
Property owners who set up and installed the outlets were tenants who owned EV’s charge. They created an account that connected a bank account to our backend payment system and digitally signed a payment agreement. The login to the system was secured by JWT Token and Hash Password, with 256-bit Encryption.

DevsData’s solution enabled property owners to take advantage of the current panel capacity to offer to charge to their tenants and broker the transfer of funds between tenants and the property owner. The solution was paired with services to help install and maintain the charging infrastructure along with help navigating the government incentives being rolled out to install more charging opportunities.
Next, Tenants/Users downloaded the app and set up an account that allowed them to log into a property owner’s network and start a charging session on a charger. At this point, they saw the energy and cost of that charge. Each month they would be charged for the energy they used + our fee.

The ideal experience is one that knows when someone parks and plugs in and automatically starts a session through the Bluetooth signal if they have connected to that charger before.