



EVCoDriver

EVCoDriver ver. 4



EVCoDriver

A navigation app created by the world's foremost mapping software engineers to solve and provide relief to range and charging anxiety for drivers of electric vehicles

EVCoDriver is a navigation app specialized for electric vehicles (EVs) to reduce range anxiety and charging anxiety for trips on the road. Range and charging anxiety is the fear of being stranded due to insufficient energy or the sense of unease when encountering long wait queues or charger malfunctions at charging stations. EVCoDriver allows you to easily start your road trips by entering your current battery level (State of Charge or SOC) and your destination, without the hassle of checking location and availability of various charging stations. EVCoDriver will automatically navigate the fastest route with lower energy consumption from starting point to destination via available charging stations with the shortest wait times based on your current battery level and car charging requirements. You no longer need to make complex charging plans before starting your trip. You can drive with a greater peace of mind knowing that you can accomplish drive journeys safely and confidently, without conscious consideration to power needs.

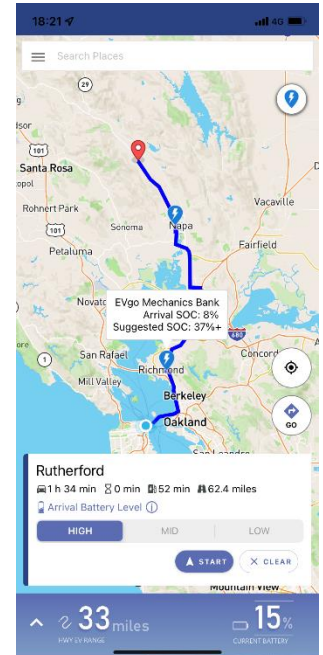


Automatic Routing

EVCoDriver will automatically choose the fastest route from starting point to destination via available charging stations with the shortest expected wait time based on current battery level, car charging requirements, and route options settings (for example: highway avoidance).

There is no need to make complex charging plans prior to your trip as EVCoDriver takes charge in status tracking and provide awareness of all major DC fast charging station locations.

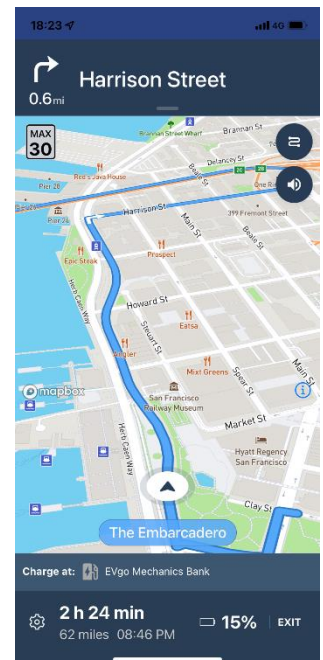
EVCoDriver is capable of key information like distance, drive time, expected wait time and charging time.



Navigation, SOC Estimation & Dynamic Re-routing

EVCoDriver will continue to calculate estimated remaining SOC and electric range in order to automatically navigate your best route to charging stations based on changes in your driving direction, EV's SOC, and status at charging stations, among other factors.

As the actual electric range is different depending on the drive driving situation and road conditions, it is important to route and navigate an EV trip by estimating the EV's battery level. EVCoDriver uses actual data of speed, acceleration, and elevation to estimate the EV's remaining battery level precisely, while at the same time, offering useful turn-by-turn navigation.



EVCoDriver continuously estimates the latest battery level and remotely monitors the condition of charging stations to dynamically find the fastest route without risk of running out of charge while navigating with turn-by-turn driving directions.

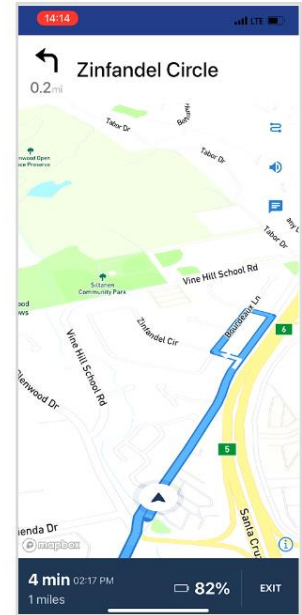
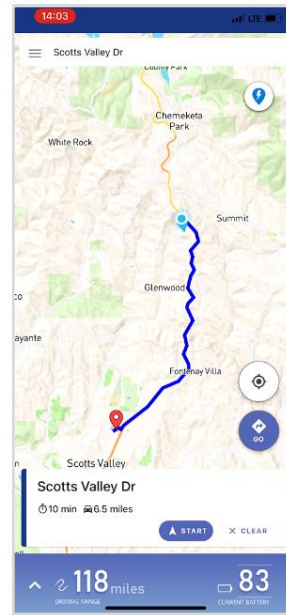
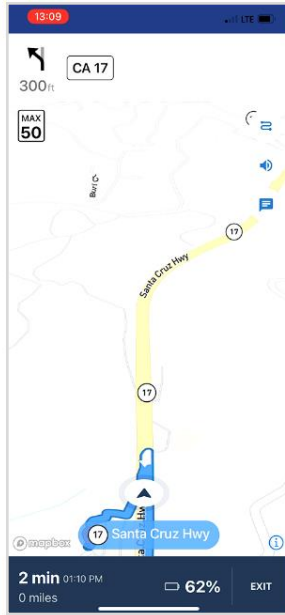
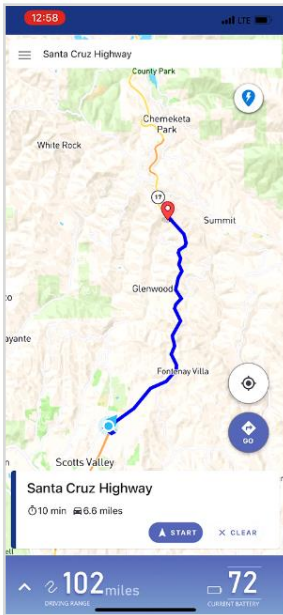
Example of Test Results

EV Model: 2018 Nissan LEAF SL

	Origin	Destination	Average Slope	Nissan LEAF SOC value	EVCoDriver SOC value
Uphill Drive	Scotts Valley, CA	Summit on CA-17	+3.5%	72% → 62%	72% → 62%
Downhill Drive	Summit on CA-17	Scotts Valley, CA	-3.5%	83% → 83%	83% → 82%

Uphill from Scotts Valley to Summit on CA-17

Downhill from Summit on CA-17 to Scotts Valley

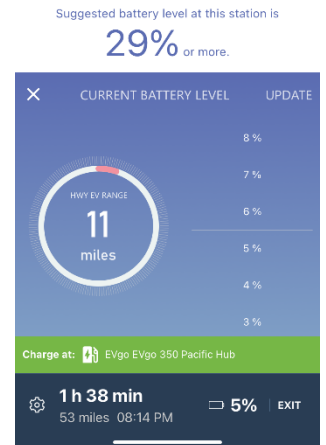
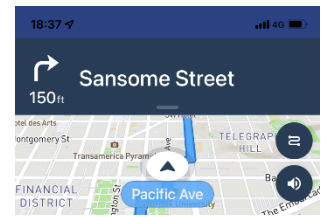


Charging Guide

EVCoDriver will display a Charging Guide to advise on the minimum required charging level for your trip to and from your destination.

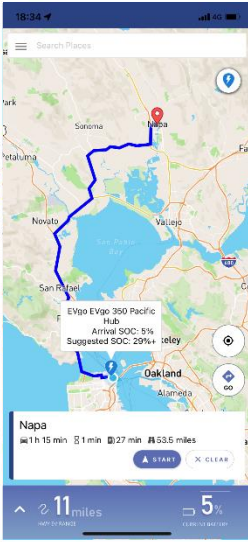
We recommend that you charge your EV up to the target SOC or higher.

You will be able to leave the station below the target SOC and EVCoDriver will assist your drive by navigating your route based on the SOC data.

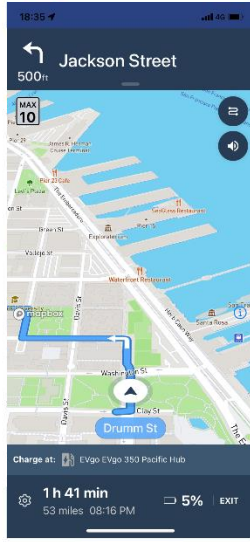


Examples of EVCoDriver routing & navigation

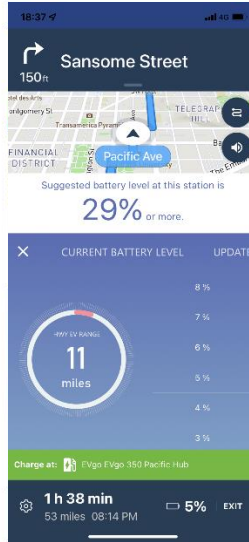
Routing



Start of Navigation



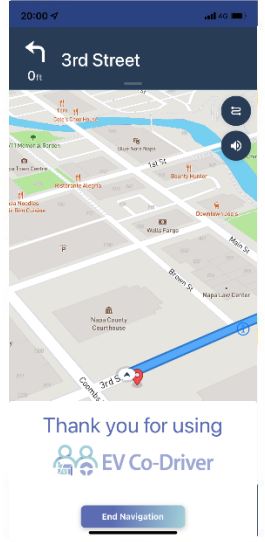
SOC Update at Charging Station



Traffic Jam Information while Navigation

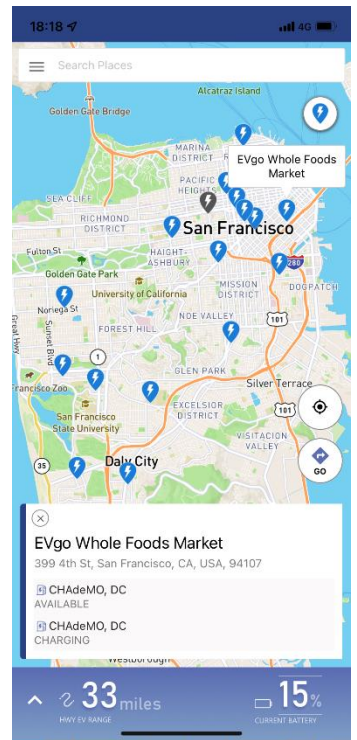
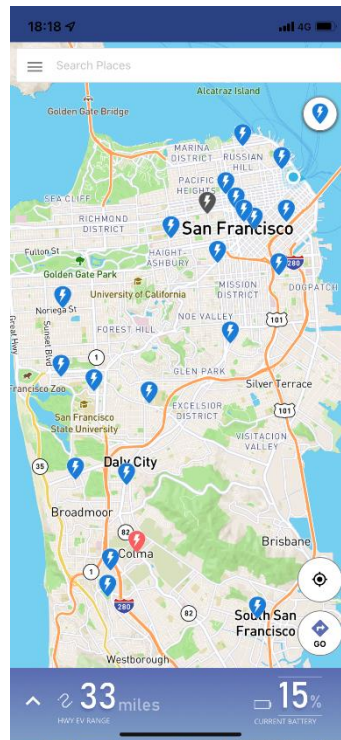


Arrival Notification

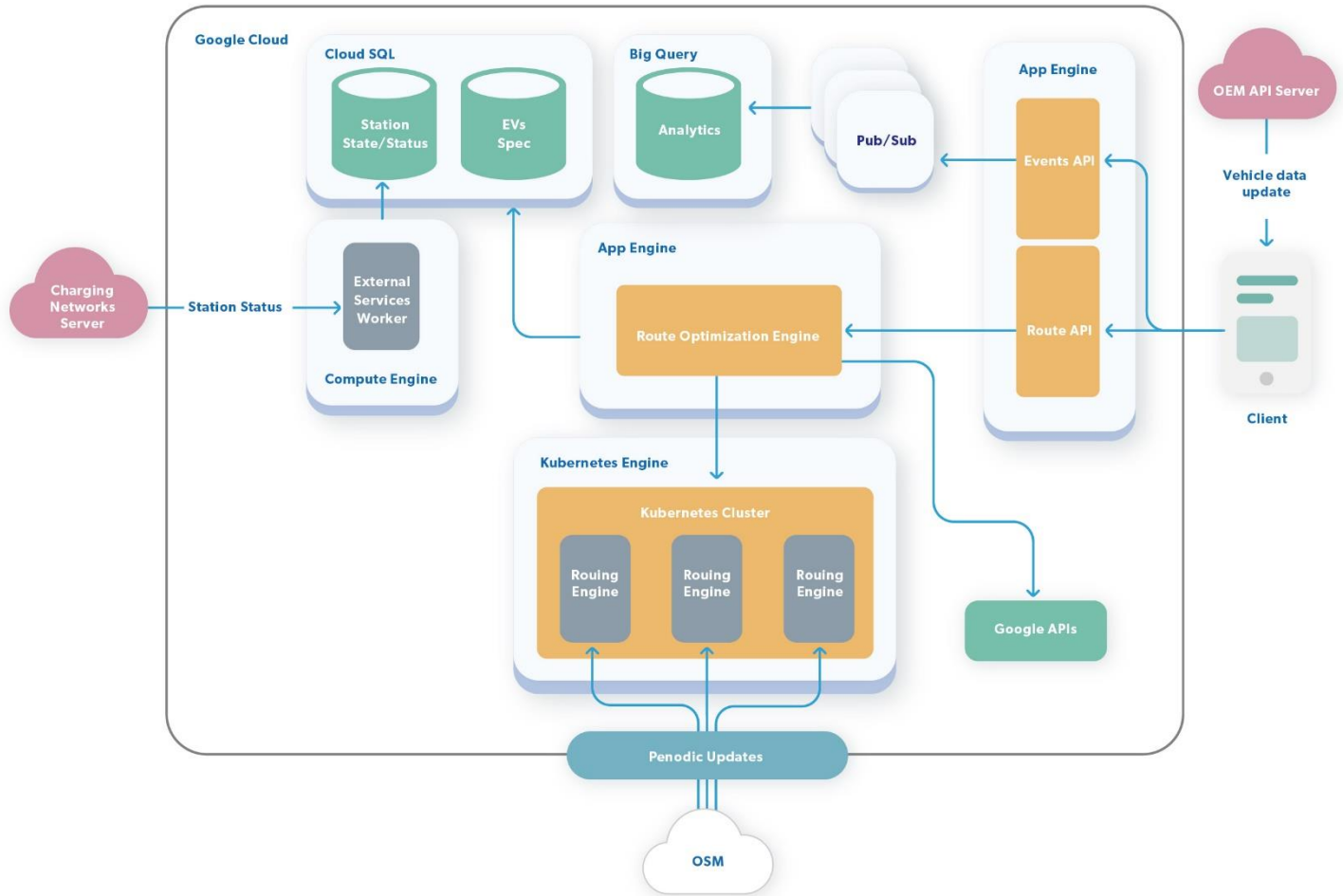


Station Status Information

EVCoDriver will also display information about the charging station including the charger status so you can also route your EV to the most convenient location in order to charge.



EVCoDriver System Architecture

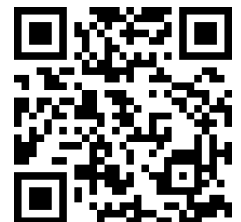


New Features of EVCoDriver ver. 4

- Enhanced routing & re-routing logic to select more appropriate roads to save energy consumption of EVs
- API to automatically collect SOC data from an OEM API server

EVCoDriver makes EV driving safer and easier.

Download EVCoDriver on the App Store and Google Play Store.



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