Infinity ∞ Charge
Infinity ∞ Exit

Infinity Exit

∞ Exit

∞ Charge

Data stored in Firebase
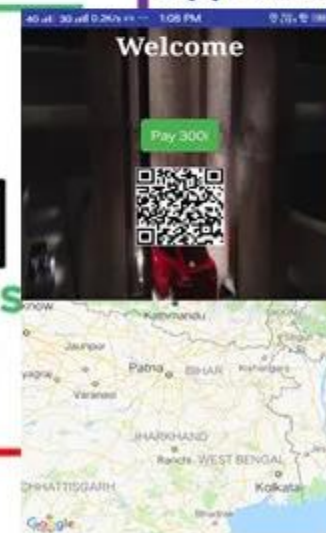
∞ Exit

Wireless Charging

IOTA protocol

CLOUD

App database

Pay to get out of traffic fast

DEVICES

Payment Gateway

APPS

Welcome

Pay 300i

Smart Charging Road with wireless chargers.

Smart Roads would detect your car with RFID, to wirelessly charge your vehicle open app in vehicle to proceed.

Once the payment is received, charging starts for desired amount of time.
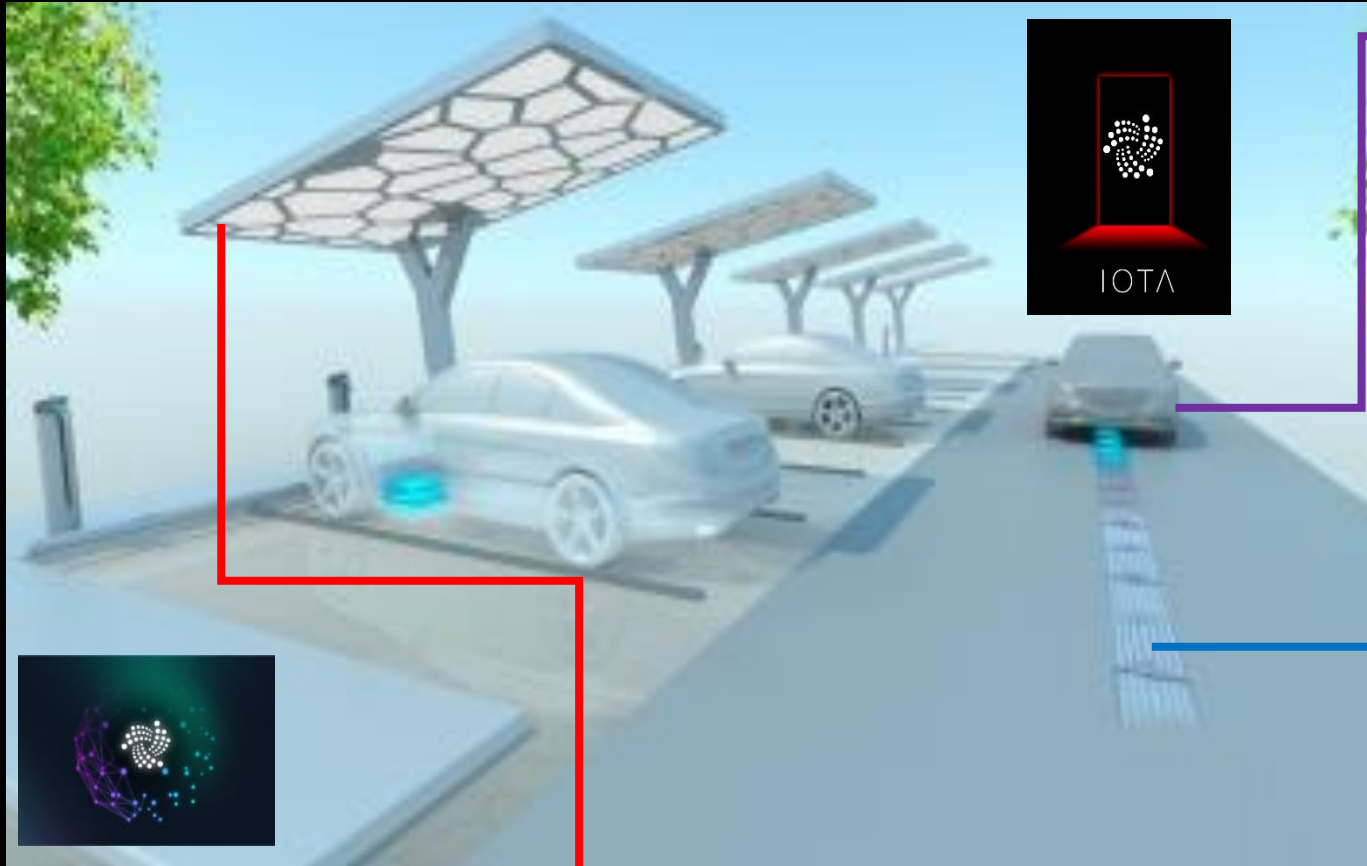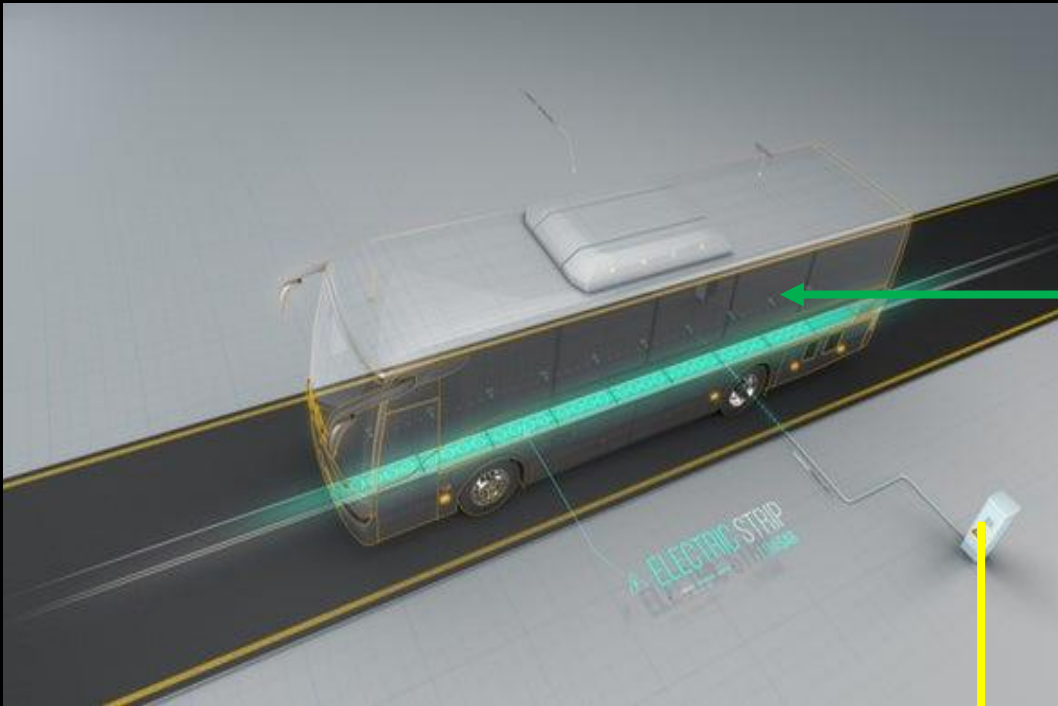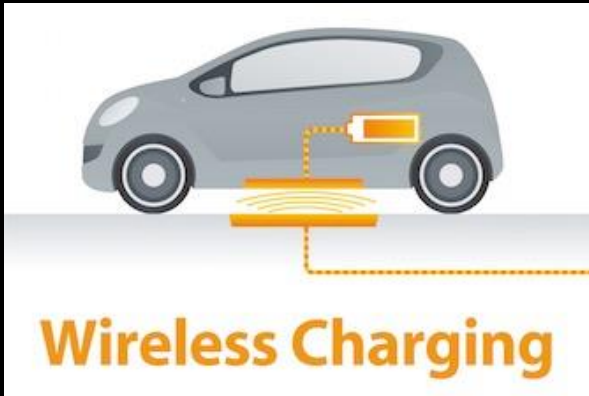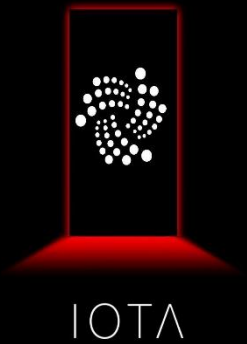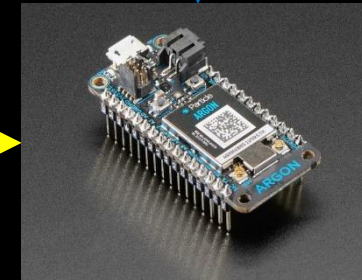
Solar Panels would provide power to wireless charging coils under the road, also charge vehicles parked nearby on user's request.

Cloud functions to get live status of the devices with location.

Report in case of accidents on the server with device ID to the state authority and notification send to the ambulance through MQTT(I am still working on it)
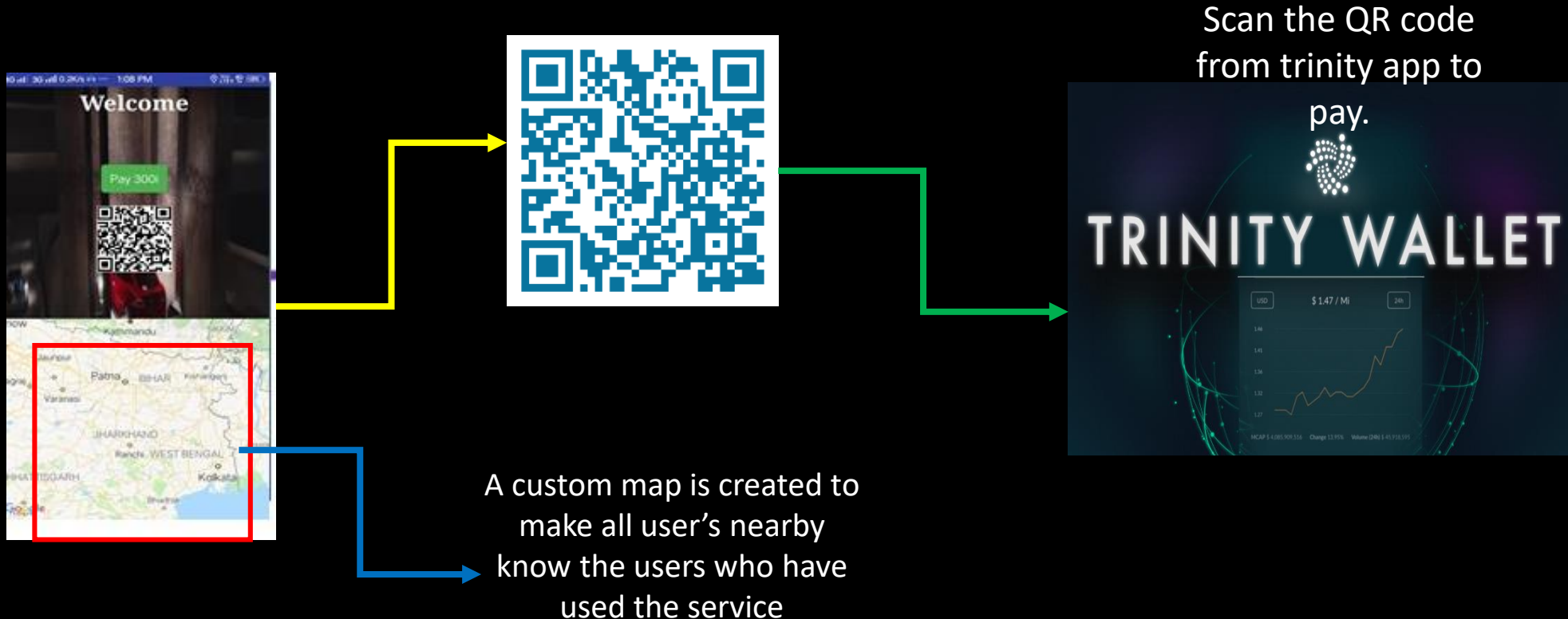
Sensor activity and electricity distribution for charging handled by Particle Argon. A digital ledger for keep record for vehicles passing on the road as a safety feature via RFID and webhooks.

IOTA
ACCEPTED HERE

IOTA

Wireless Charging

Working

The user need to scan the QR code on his car app(after selecting the charge or exit option a QR code would be generated automatically) the user need to send the iotas from Trinity app and the particle Argon or Esp32 would read the request and check for successful transaction and do the charging or exit from traffic services.

Scan the QR code from trinity app to pay.

A custom map is created to make all user's nearby know the users who have used the service

Working

Intangible Benefits to customers:

1) Hassle free payments, records of their payments

2) Get rid of traffic congestions fast

3) No pollution

4) Efficient charging with

5) Get more insights about the nearby customers on your car app

6) More benefits to come in future

Thank

You