Project Description

1. Project Purpose

  ReFeed business model is collecting waste cooking oil & distribute to street food restaurant. Based on ReFeed research, many of street food restaurant disposal waste cooking oil after they use it. Using motor bike economy, we collect that waste and provide fresh oil to small restaurant.

2. Concept of business

<Benchmark Business in Siklus(Indonesia)>

ReFeed Solution benchmark above device but our solution provide digital data to customer and ReFeed sever.

3. ReFeed Solution

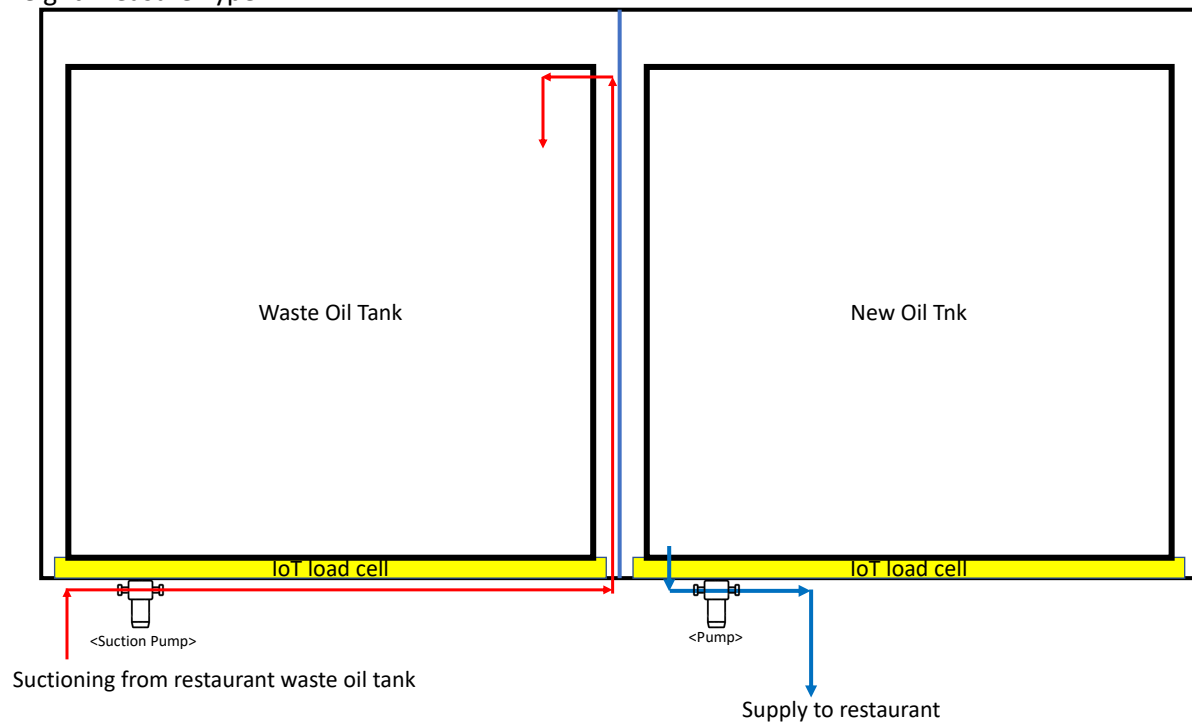| Step	1	2	3	4	5	6	7	8	9
Name	Customer Request	Rider Request	Send Rider	Check Quantity	Payment	Move to warehouse	Feed Tank	Chemical Process	Export
Methodology	Customer App	Rider App	R.App	R.App, IoT Device	C. App	web	web	web	web
Function	1. Create User ID 2. Create Request	1. Confirm location 2. Check the raider carry on volume	1. Notice driving route 2. Estimate time	1. Check the collecting and suppling amount	1. connect with payment system				

4. Device design and requitement to Hydratech

This device will install on the motor bike trunk. So I'm not sure about load cell work well in tilted condition. If not, I recommend check the pump operation time and convert to volume on it.

We expect handling volume is over 1kg to 30kg.

It's an oil so viscosity will heavier than water.

For the communication, you recommend Bluetooth so I'm ok with that and also open a manual key-in function on rider app.

Weight Measure Type

Waste Oil Tank

New Oil Tnk

IoT load cell

IoT load cell

<Suction Pump>

<Pump>

Suctioning from restaurant waste oil tank

Supply to restaurant

Velocity Measure type

Waste Oil Tank

New Oil Tnk

<Suction Pump>

<Pump>

Suctioning from restaurant waste oil tank

Supply to restaurant