Problem Statement
- High dependency on fossil fuels.
- Find a suitable use for Waste Vegetable Oil.
- WVO must be extensively filtered for future use.
- WVO is typically contaminated with foreign particles.

Objective
- Develop functioning prototype of Waste Vegetable Oil filtration.
- Separate water and debris from Waste Vegetable Oil.
- Reduce energy consumption necessary to filter WVO.

Motivation
- Provide an environmentally friendly alternative resource to fossil fuels.
- Improve efficiency of WVO filtration.
- Acquire a 95% oil purity after one filtration cycle.

Proposed Design Schematic

Proposed Design
- Develop a prototype that accommodates to different compositions of WVO.
- Successfully treat the WVO, while increasing efficiency and reducing power consumption.

Timeline

Responsibilities

Team Members
- Rainer Rodriguez
- Harrison Mejia
- Favyan Torres