

## **Co-Create EDHEC business project presentation:**

### **Background:**

Marine (yacht) Engineer, cadet at 42 My Passion is broad based engineering and electronics. My objective in life is to try to create platforms to help users streamline their productivity, limiting human error, optimizing efficiency, at the same time recycling discarded resources and focusing on renewable energy. Being apart of the solution not the cause.

I have spent the last 8 months converting a shipping container into a livable space to showcase the functionality of our technology.

### **Introduction:**

Imagine a home that could interact with the user, helping them bridge the gap between day-to-day living & software engineering. This will help streamline systems in automation, incentivisation and optimising energy efficiently.

### **Potential Revenue targets**

Business model based on a South African based medical insurance company called "Discovery health" that monitors the clients daily performance. Using a fit bit or apple watch to track physical conditioning. Linked card transactions to track purchases on healthy groceries transactions. Incentivising healthier living. If the client reaches targets they are incentivised by lower premiums. Thus bringing 75% of their medical claim down by living a healthier lifestyle.

On the same principles as Discovery. We are installing systems into homes that tracks data that can incentivise efficiency, safety, security, preventive maintenance, healthier living, eco living. Discounted automated purchases, lower insurance and utility premiums, reduce crime and increase emergency reaction time.

### **Gas Providers:**

- Exxon
- BP
- Chevron
- Shell
  - Supplying Data to the user and the gas company (average usage, potential incentive on tips and tricks to save money on using less gas).
  - Safety and maintenance (on potential gas leakage, fire and flood automation and preventive maintenance),

- Natural gas/ LP gas supply automation (when the gas is about to run out automatically orders more. Giving the user the tools to help streamline processes and supplying supplier confidence and customer satisfaction.

#### **Control devices:**

- Ventilation controller
- Gas output regulators
- Gas detection device
- Ai intergration
- App integration
- Customer & Supplier communication interface
- Dashboard interface on usage, maintenance

#### **Electricity Providers:**

- AEP Energy
- Ambit Energy
- Amigo Energy
- Champion energy
- Cirro Energy
  - **Supplying Data** to the user and the supply company (average usage, potential incentive on tips and tricks to save money on using less electricity).
  - **Safety and maintenance** (on potential earth leakage, fire and flood automation and preventive maintenance),
  - **Grid interface**, monitoring daily input and output on the grid.
  - **Battery interface**, monitoring the health and preventive maintenance of batteries (if solar).

#### **Control devices:**

- Ventilation controller
- Electricity input output regulators
- Earth leakage detection device
- Ai intergration
- App integration
- Customer & Supplier communication interface
- Dashboard interface on usage, maintenance

#### **Insurance Providers:**

- Statefarm
- Geico
- Progressive
- Allstate
  - **Safety-** Fire and flood prevention and preventative maintenance

- **Security**- Crime prevention, emergency response, and control systems
- **Maintenance**- Preventive maintenance that lowers claims

#### **Control devices:**

- Security cameras
- Gas and smoke detection devices
- Flood detection devices
- Window and door open/close detection devices
- Armed response device
- Emergency response device.
- App integration
- Customer & Supplier communication interface
- Dashboard interface on usage, maintenance

#### **Consumable Providers:**

- Amazon
- Ebay
- Walmart
- HomeDepot
- Target
- Best Buy
  - **Drystock inventory control**- automatic ordering if the product gets to a 20% finished.
  - **Wetstock inventory control**-automatic ordering if the product gets to a 20% finished.
  - **Cleaning product inventory control** - automatic ordering if the product gets to a 20% finished.
  - Health and safety control systems to regulation storage optimisation, expiration dates and

#### **Control devices:**

- Weight sensors for product levels
- Cameras for inventory overview
- Temperature and humidity sensors for product storage optimisation
- Ventilation controller
- Ai intergration
- App integration
- Customer & Supplier communication interface
- Dashboard interface on usage, maintenance