

1. Problem

We all know global warming is a major issue and one of the main cause of global warming is carbon dioxide (CO₂). One of the biggest producers of CO₂ is automobiles. They already have a catalytic converter that filters our carbon monoxide which is poisons for humans. In result the catalytic converter makes CO₂, a greenhouse gas, that is the primary cause of global warming.

2. Solution

My solution is making a device that fillters out carbon dioxide (CO₂). My product would be installed after the catalytic converter on the exhaust system. It will have an interchangeable filter that can be processed to extract the collected carbon after use.

3. Market Size

The 3 major US car companies Ford Motor Company, Toyota Motor Corporation, and General Motors (GM) have 157 automobile manufacturing plants. Each of these plants could install my filter on every single car that they manufacture.

4. Competition

As of right now there are no other companies/businesses that are designing a filter to be installed on the vehicle itself. Although there are catalytic converters that filter carbon monoxide this does not solve the problem caused by CO₂.

5. Business Model

My business model is I want to sell the product to one of the major car manufacturers previous mentioned like Ford Motor Company, Toyota Motor Corporation, and General Motors (GM).

6. Marketing and Sales

I plan on gain public interest in these products on social media apps like Tiktok, Facebook, and Instagram. Then I will try to get it on local news outlets. I would also cold call or email the car manufacturing companies like Ford, Toyota, and General motors

7. Progress to Date

Yes I already have a CAD model for my first prototype and a technical drawing of the device.

8. Future Milestones

Short term goal I would like to create a working prototype. I would also like to test this prototype to for function and safety.

Long term I would need to make connections with Ford Motor Company, Toyota Motor Corporation, and General Motors (GM) and discuss potential sales or partnerships.

Right now greatest issue is finding a way to chemically filter the CO₂ into just carbon and oxygen.

9. Team

I am currently working by myself. I would like to work with multiple companies and build a partnerships with chemists, engineers, & manufacturers to make my product functional.