





Reducing Greenhouse Gas Emissions in The USA



Pure Air Machine

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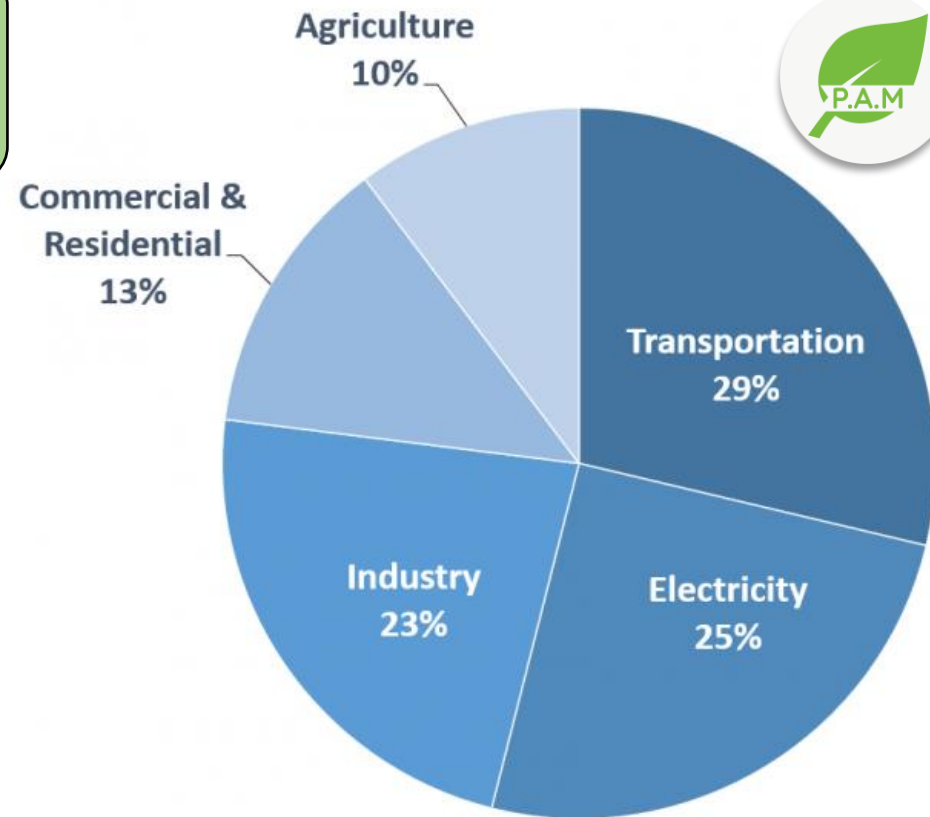
SALSABEEL HASSAN



Goal 13: Climate Action

It is one of the most important goals; because its dangers do not reflect on a particular country or people, but on the thing that unites us (Planet Earth), so we have to save this planet and the next generation's future.

Total USA Greenhouse Gas Emissions by ECONOMIC SECTOR in 2019



THE USA

Is the second largest emitter of greenhouse gases in the world after CHINA



TARGETING

20 FACTORIES IN USA

SOLUTION

Extraction of CO₂ to prevent global warming, and using it to solve other problems that cause Climate Change, like cutting trees for charcoal.

THE PROJECT



Air Filter Machine

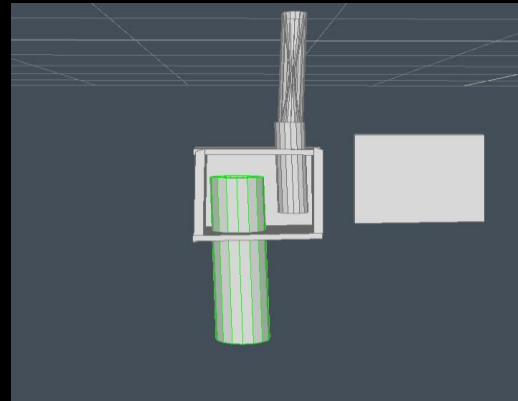
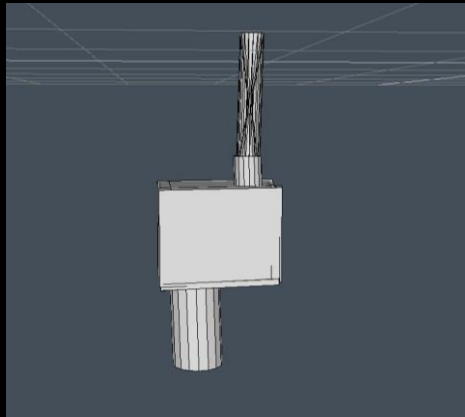
It extracts the emitted (CO₂) gases by separating it from the air through electrolysis using an electrochemical device that contains a chemical catalyst for the analysis process, when the (CO₂) is dissolved in it, the catalyst works to precipitate carbon and then convert it to solid carbon flakes used in the coal industry, and we are exporting it to help finance the project.

A research team from YALE University in The USA estimated that about 15 billion trees are uprooted every year, and only 5 billion of them are planted again.

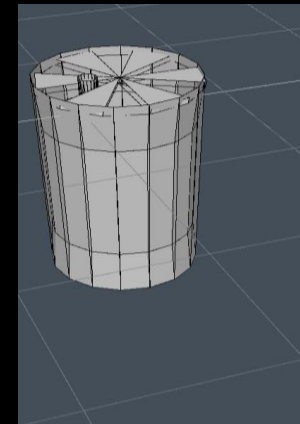
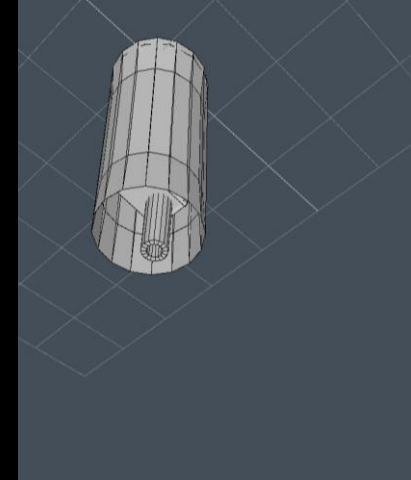
THE PURE AIR MACHINE (P.A.M)

DESIGN:

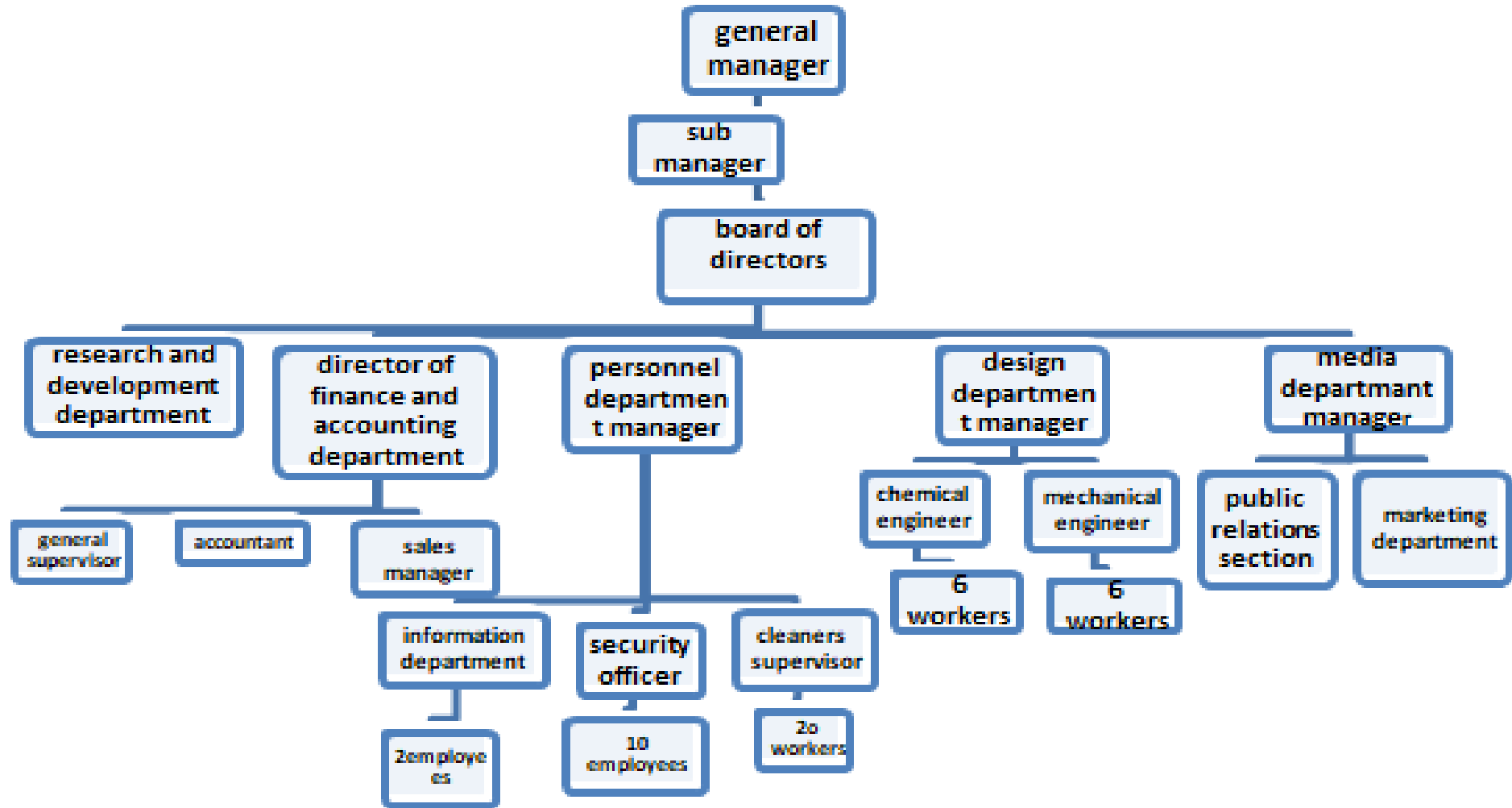
**INTERNAL
STRUCTURE**



OUTSIDE LOOK



Organizational chart

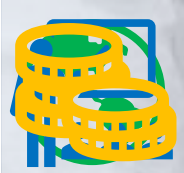




ECONOMIC PLAN :

The cost	Requirements
200000 \$	Plot of land
500000 \$	Factory building
100000 \$	Machinery and equipment
100000 \$	Invoices (electricity water maintenance packaging).
50000 \$	marketing
80500 \$	Workers salaries
40000 \$	One machine
1080000\$	THE TOTAL

50000 \$	Selling price
200000 \$	Gains from 20 factories
After selling 6 batches (batch = 20machines)	Pay off the capital debt



MARKETING PLAN:

Advertising in the media

Awareness campaigns

The carbon vending coal project will be a fund for our company and will generate us extra income which will be used to reduce the cutting of trees and will be a strong point of resonance for the machine among the people

The image features a black background with several abstract elements. A large, light green circle with a white outline is centered on the left side. Inside this circle, the text "Thank you for listening" is written in a white, sans-serif font. To the right of the green circle is a smaller, light orange circle with a white outline. In the top right corner, there is a larger light orange circle with a white outline. On the left side, there are two white zigzag lines. In the bottom right corner, there is a large, solid light orange circle. To the right of the green circle, there are four white diagonal lines. In the bottom left corner, there is a small, solid light orange circle.

Thank you for
listening