

IF I COULD INVENT SOMETHING NEW.

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Necessity is the mother of all invention, as we are all aware, plastic waste is a growing environmental concern, with millions of tons of plastics ending up in landfills and oceans every year. If I could invent something new, i would innovate a recycling system for plastic waste to be recycled into automotive parts and textiles.

According to the World Bank, Nigeria has the highest production of plastic waste in Africa, and the fastest growing e-waste problem in the sub-Saharan region, oceans absorb about 30 percent of carbon dioxide produced by humans, buffering the impact of global warming, according to the United Nations. In the light of this issue, I would like to propose the development of an innovative recycling system that transforms waste into automobile parts and textiles.

Plastic waste can be recycled into various useful products, recycled PET (poly ethylene terephthalate) from plastic bottles can be transformed into polyester fabrics used in clothing, bags and other textiles. PET can also be used to create soft, warm fleece materials for jackets and blankets. It can also be used to manufacture various car parts, including, dashboards, seat cushions and bumpers.

By implementing such a system we stand to achieve:

a. Low manufacturing costs; Recycling plastic waste into automobile parts and textiles can help cushion the high costs associated with producing these items from virgin materials. This cost-saving measure can benefit manufacturers, reduce consumer prices, and make products more accessible.

b. Mitigate plastic pollution:

By recycling plastic waste into valuable products, we can significantly reduce the amount of plastic that ends up polluting our environment. This does not only help preserve our ecosystem but also promote sustainable waste management practices.

To make this vision a reality, i propose the following steps;

- Conduct research and development to optimize the recycling process for converting plastic waste into durable automotive parts and high quality textiles.
- Partner with industry leaders in their automotive and textile sectors to ensure the recycled materials meet Industry standards.

Together, we can create a solution that not only addresses plastic waste pollution but also

supports the production of cost-effective and sustainable automotive parts and textiles.

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