

IF I COULD INVENT SOMETHING NEW

If I could invent something new, I would invent a car that uses water as fuel. Cars that uses water as fuel is a potential future for sustainable transportation here in Nigeria, this is due to the hikes in traditional fossils fuel prices.

The concept of water powered cars are vehicles that support the use of water as a primary fuel source by splitting water into hydrogen and oxygen gasses through electrolysis and then burning the hydrogen as fuel. This includes:

Hydrogen Production: Water itself cannot power a car directly, instead a hydrogen in water need to be extracted through a process called electrolysis storage. The extracted hydrogen is stored in a tank within the vehicle.

Fuel Cells: The stored hydrogen is fed into a fuel cell where it is combined with oxygen from the air

Electricity Generation: The hydrogen and oxygen react to produce electricity which powers the vehicle.

Water-by-Product. The only by-product of this process is water (H_2O) which is emitted as water vapour or liquid water.

Traditional fossils fuel includes petrol, diesel, coal, oil and gas. The environmental impacts are climate change, air pollution, water pollution, land degradation, noise pollution, waste generation, resource depletion, ecosystem disruption.

The potential impact of hydrogen cars on climate change are slowed global warming, mitigated climate change, reduced greenhouse emission. The potential impact of hydrogen cars on public health are enhanced quality of life and also reduced air pollution related deaths. By adopting hydrogen powered cars we can combat climate changes and improve public health thereby creating a sustainable future.

The water refueling station need to be at strategic location near high traffic areas. The station need government support in times of grants and low-interest loans. They also need private investment for the funding, developing a good and strong network of water refueling stations and infrastructure will require a coordinated effort from the government and private investors.

The potential cost saving and economic benefit of water powered cars include; it reduce maintenance on vehicles, It encourage job creation, economic growth and the long term sustainability. By transitioning to water powered cars, we enjoy lots of benefits economically.

The impacts of hydrogen powered cars on labour market includes:

1. New job opportunities in hydrogen related fields
2. Retraining of workers
3. Jobs displacement in traditional fossil fuel related areas
4. Economic growth

The transition to hydrogen cars will result to significant changes in labour market and also presents opportunities for growth and innovations.

The advantages and potential benefits of water powered cars includes: emission free atmosphere, renewable resources, reduced dependence on fossils fuel, cost effectiveness, environmental friendly, locally available resources, quieter rides and improved performance.

The vision for sustainable future involves a system that is efficient, equitable, innovative, integrated, resilient and safe. This sustainable transportation future will enhances the quality of life for individuals and communities while protecting the environment and driving economic growth.

ADARA DARASIMI AYOKUNLEMI
AYO FASANMI MODEL COLLEGE, ADO EKITI. EKITI STATE
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