

My Proposal makes a **Positive Difference** to **People** and **The Environment**

Since my vehicle is primarily expected to replace diesel-powered LGVs, there would be a significant reduction in the road-traffic output of CO₂ and NO_x in London. These pollutants are particularly harmful to the environment. As a greenhouse gas, Carbon Dioxide contributes to human-accelerated global warming while Nitrogen Oxides damage vegetation and reduce growth.

Since my proposal also eliminates at least 90% of non-exhaust emissions such as PM₁₀ and PM_{2.5}, people in cities will benefit from cleaner air, free of dangerous particulates. Thousands of theoretical years of life could be saved by reducing the risk of long-term breathing problems like asthma, in turn reducing stress on health infrastructure that is so often under heavy pressure in cities.

If my proposal was to be put into production, it would be manufactured in the UK to empower domestic workers who can take pride in knowing their efforts are contributing to a cleaner country. Much consideration has been put into sustainable materials; the interior, for example, has been designed to extensively utilise recycled plastic. The modular nature of the chassis means that parts can be replaced easily, prolonging the vehicle's lifespan. A whole range of vehicles can be built on the same chassis for more efficient production of different models, plans include a refuse truck, flat-bed and an urban ambulance. The design could be scaled down for smaller vehicles too.

