



Our global transportation system is plagued with inefficiencies that wastefully consume our time, money, and natural resources.

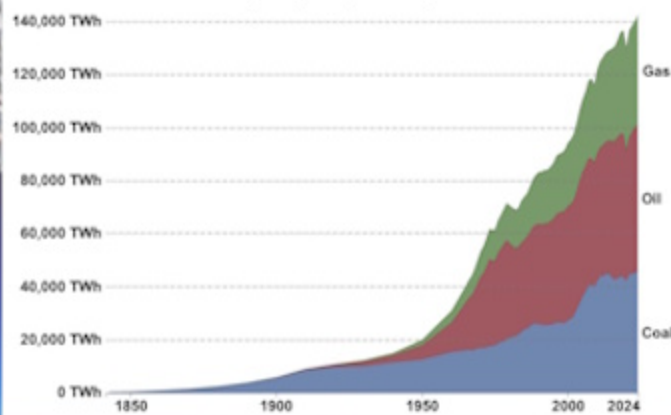
Inherent Inefficiencies:

- > Indirect path to any destination
- > Grades increase fuel and time consumption
- > Traffic congestion, stops, starts, merging
- > Packaging and palletizing increase loading
- > Transport vehicle dead weight
- > Infrastructure upgrades and maintenance

The Annual Cost:

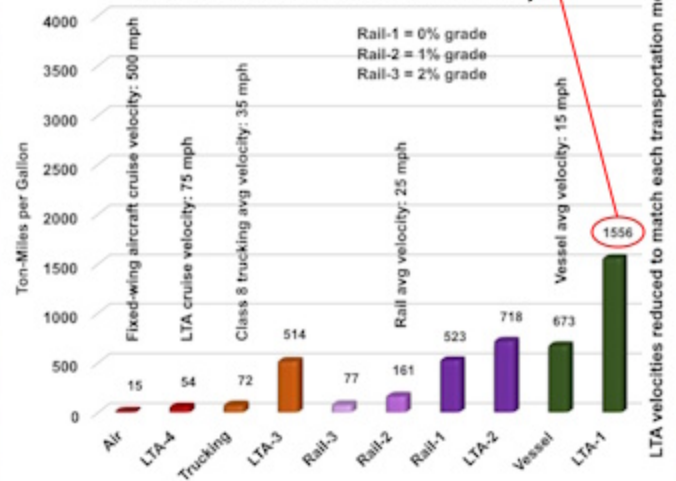
In 2019, the US transportation sector consumed 143 billion gallons of fuel at a cost of \$322 billion. In addition, the US spent \$270 billion on its roads and highways, for a combined cost of \$592 billion.

Global Hydrocarbon Consumption
 Measured in terawatt-hours of primary energy consumption



LTA Fuel Efficiency Comparison Chart

Greater numbers indicate better efficiency



The Solution:

Lighter-than-Air technology (LTA) is the solution because it has the capability to perform work without consuming fuel, and because it uses a superior transportation infrastructure, the earth's atmosphere, which is congestion-free, requires no maintenance or upgrades, and has no size, weight, or speed limitations. And most significantly, because buoyancy cancels the effects of gravity, there are no grades with LTA.

Why Us and Why Now?

We are the only LTA program to extensively study the German Zeppelin program - the only successful LTA program in history. Our goal is to bring their most advanced design into the 21st century by using modern build materials, advanced 3D design, and contemporary manufacturing to produce a stronger, lighter, more capable aircraft. In 2019, the global community consumed 1.2 trillion gallons of fuel, and this demand for hydrocarbons is only going to increase as the developing countries of the world continue to mature. With that growing demand in mind, we must take steps to conserve our natural resources for our future generations.