Truck Rear-View System

Blind spots are a major issue for safety.

Conventional blind spot safety mirrors provide additional viewing angles for semi-truck drivers. However, these mirrors still leave more to be desired.

- Increase drag which causes an increase in fuel consumption.
- Does NOT cover the entire blind spot.
- Viewing angle is limited by line of sight.

Our Solution

Camera – Monitor system can increase safety while reducing fuel consumption.

- Increase Safety
  • Provide a larger field of view for the driver.
  • No limitation on viewing angle.
  • Drastically reduce blind spot

- Reduce Fuel Consumption
  • Lower fuel costs.
  • Lower emissions.
Replacing the safety mirrors on semi trucks has several added benefits. Increased safety, fuel savings, and CO2 emission reduction are just some of the desired outcomes for this project. Fuel savings of roughly 2% or more will help the economy push toward a more sustainable future and stimulate economic growth. Use of cameras in place of conventional mirrors allows for wider viewing angles and greater visibility for drivers. Overall this project is one that could have a great impact on safety for truckers as well as provide an avenue to a brighter future for our country and world.

• 143.6 billion miles in the US alone at an average of 5.9 miles per gallon.
• 24.3 billion gallons of diesel fuel or 600 million barrels or oil.
• At $100 per barrel of crude oil, the direct economic impact is 57 billion dollars per year.

• 2% of wind resistance => 1% reduction in fuel savings
• Potential fuel savings of 500 million gallons per year