REAR VIEW

TEAM 7

PROJECT

DESIGN A SYSTEM TO REPLACE EXTRUDING REAR VIEW MIRRORS WHICH WILL:

- USE CAMERAS AND MONITORS
- ELIMINATE WIND RESISTANCE DUE TO EXTRUDING MIRRORS
- REDUCE FUEL CONSUMPTION -> REDUCE CARBON EMISSIONS
- INCREASE SAFETY

CONTEXT

- AVERAGE SEMI-TRUCK GETS 5 TO 8 MPG
- OVER 2 MILLION TRUCKS ON THE ROAD
- AVERAGE TRUCK TRAVELS 40,000 MILES PER YEAR
- COMMERCIAL TRUCKS USE OVER 50 BILLION GALLON OF FUEL PER YEAR
- COMMERCIAL TRUCKING ACCOUNTS FOR NEARLY 50% OF CO2 EMISSIONS FROM TRANSPORTATION SECTOR