

FAZEL1's Dynamic Charging Platoon Technology solves EV fleet range anxiety on highways. Vehicles platooned with FAZEL1 technology receive an electrical charge from a vehicle energy source in-motion.

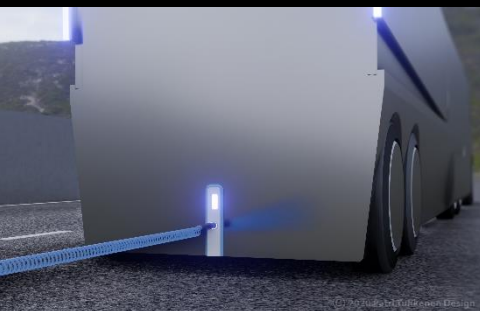
This dynamic charging platoon technology provides an opportunity for unlimited range extension, increased driving distance, increased battery life, reduced battery size and decreased charging-related waiting time, without the need for costly deployment of charging lanes.

FAZEL1 cuts fossil emissions by 80 to 90 percent and is a climate-smart and inexpensive method of combining the advantages of (Roads) Train with the flexibility of electric vehicles. Operating costs will be minimal, due to significant reductions in energy consumption arising from the use of efficient electric engines. Electricity is also a cleaner, quieter and less expensive source of energy, compared with gasoline and diesel.

Platooning also increases more than %20 fuel efficiency of systems by reduction in aerodynamic drag of vehicles, And it translated to significant benefits for GHG, and local air quality, it also improved on-road safety (i.e., fewer collisions and fatalities), additional road capacity (i.e., less gap between vehicles, better physical road us, And also the cost of the driver is fully or partially eliminated because of autonomous driving.

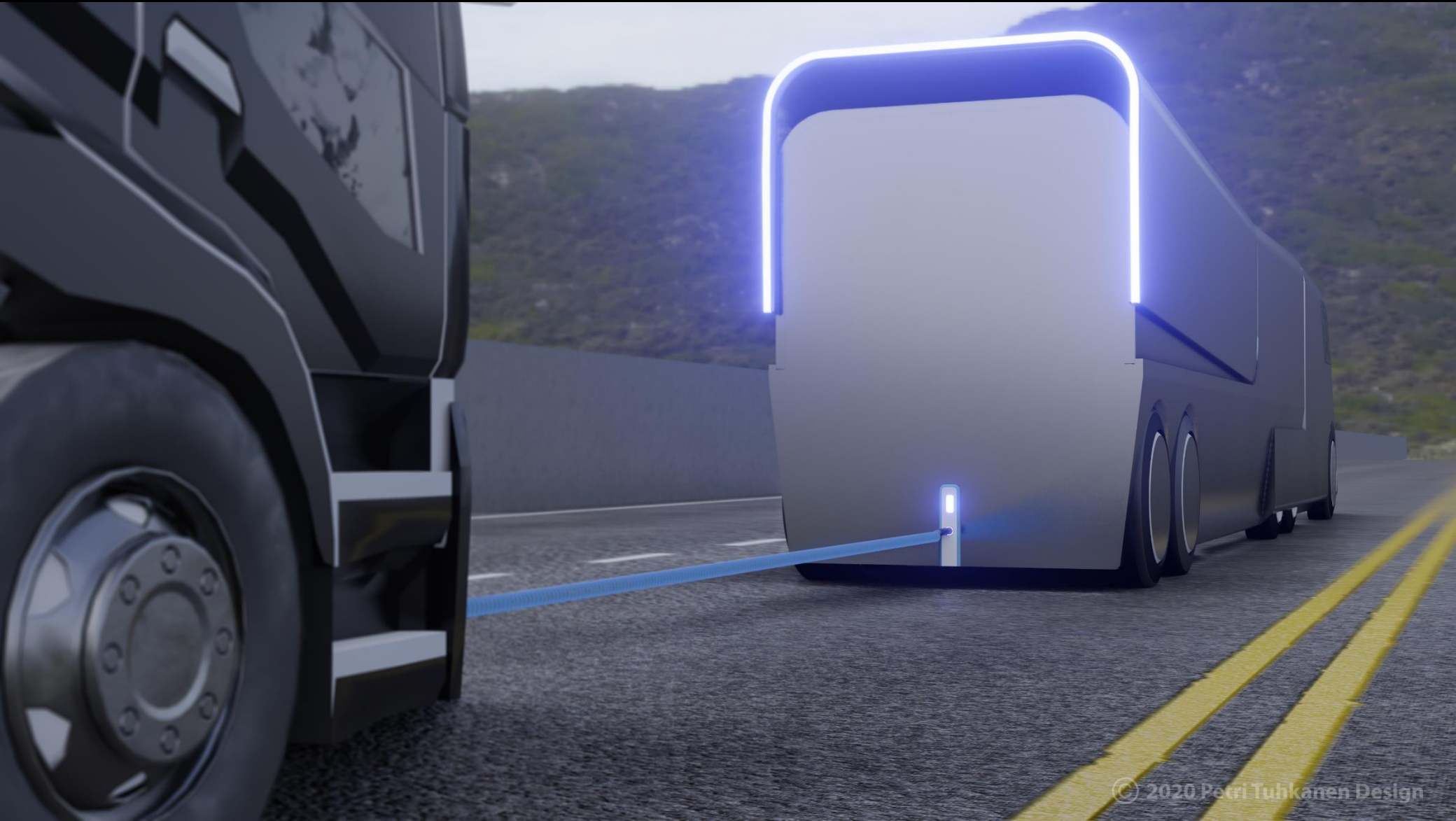
To meet CO2 emission reduction targets in line with the Paris agreement, the transport sector needs to power the vehicle fleet with electricity generated from renewable sources. Energy Source trucks in dynamic changing platoon can equipped with batteries which can be charged directly from solar or wind farms or can equipped with fuel cells and use Hydrogen or can equipped with electric generator engine which can use different Biofuels or SNG, CNG, LPG, LNG, etc for producing electricity for Electrified of E fleet.

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Startup of the year finalist at



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