

Pain Points with Other Solutions (Roads or Rail)

- While roads are cheaper compared to Metros, they lack safety, suffer from Traffic congestion and unpredictable and unreasonably high travel times. 60 KM in 1.5 -2 Hrs or more is not unusual while most road vehicles are capable of >120 kmph.
- Metros have high capital investment, lack scalability, single operator fleets, lack of profitability, inefficient operations with poor operational efficiency. Rigid (not open and extensible) and non-scalable architecture.

Proposed Solution

Pioneering the Future of Road Transportation

Patented Technology for Reliable Lane Keeping and Platooning for Streamlining Traffic Flow, increasing Lane Throughout and relieving congestion. ELASTIC MULTI-FLEET operations designed for INTEROPERABILITY with an OPEN and MODULAR architecture that is EXTENSIBLE. Optimizes CAPEX and OPEX for profitable operation of the Automated Lanes with OPERATIONAL EFFICIENCY.



SUDARSHAN MARG - *Safety Integrity Reliability Assurance Balance*

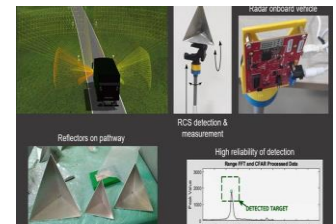
- Sirab's EXCLUSIVE lane solution for automated electric vehicles.
- Designed for safety and optimized for multi-fleet and heterogenous vehicle operation.
- Easy and incrementally installable and reconfigurable components. PASSIVE WAY-SIDE RADAR REFLECTORS on each side of the lane with LANE SEPARATION.
- All-weather and ruggedized against elements.
- Interoperable heterogenous platooning.



Products

High Reliability Lane Keeping

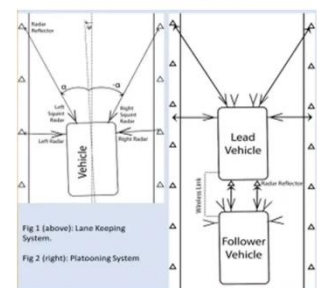
- Lane Keeping Technology with high reliability at a functional level and is the next level up to unreliable lane keep assist based on cameras. Built with onboard radars and IMU coupled with wayside reflectors optimized for high fidelity radar detection and kinematic measurements, provides unparalleled reliability to depend on for fail-safe design of exclusive lane operations.



Elastic Multi-Fleet Platooning

- Dynamic and Elastic Platooning of Heterogenous fleets to optimize lane capacity utilization and operational efficiency of the lane. Built with radar coupled with reflectors behind the vehicle to provide high functional reliability and robust operation even at high speeds. Optimize your lane capacity utilization and operational efficiency to maximize your revenues from operations.

Elastic Multi-Fleet Platooning



Patent Protected - US Patent Numbers 10732636, 10196069

Enabling Government Policy Changes

- Public-Private-Partnership (PPP) to enable a private operator to Design, Build and Operate the exclusive lane through a long-term concession like airport business model.
- Open, Transparent and competitive bidding process to invite bids for the project to maximize the income for the government.