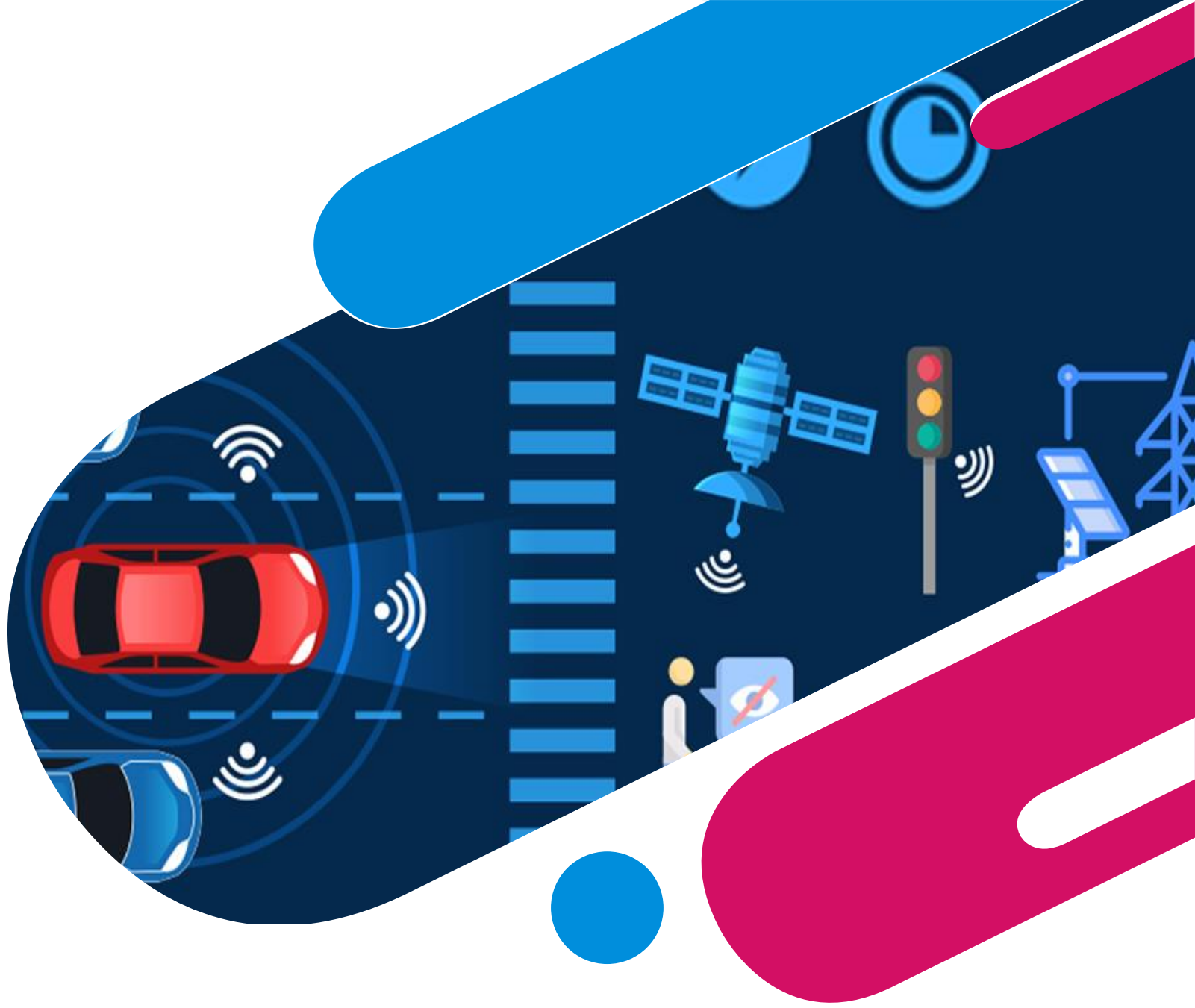


V2V

Project Proposal

Supervised by:
Dr: Ahmed Mostafa



Meet our Team



Ahmed Elsayed



Ahmed Amr



Ahmed Mohamed



Hosny Abd-Elaziz

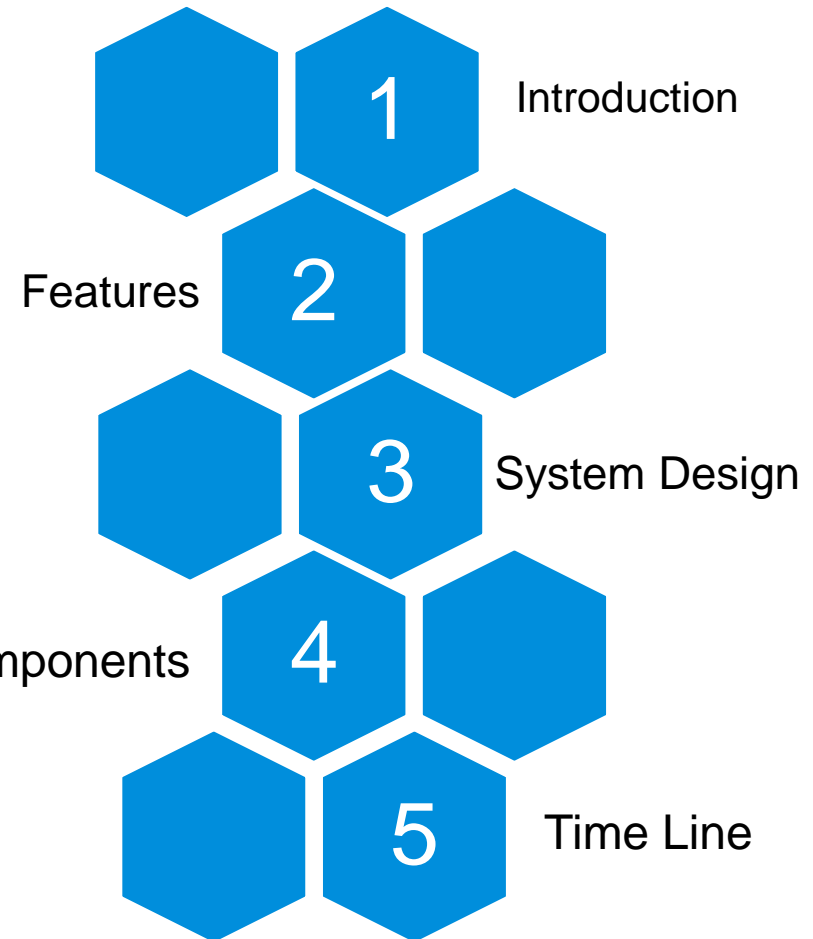


Shehab Ahmed

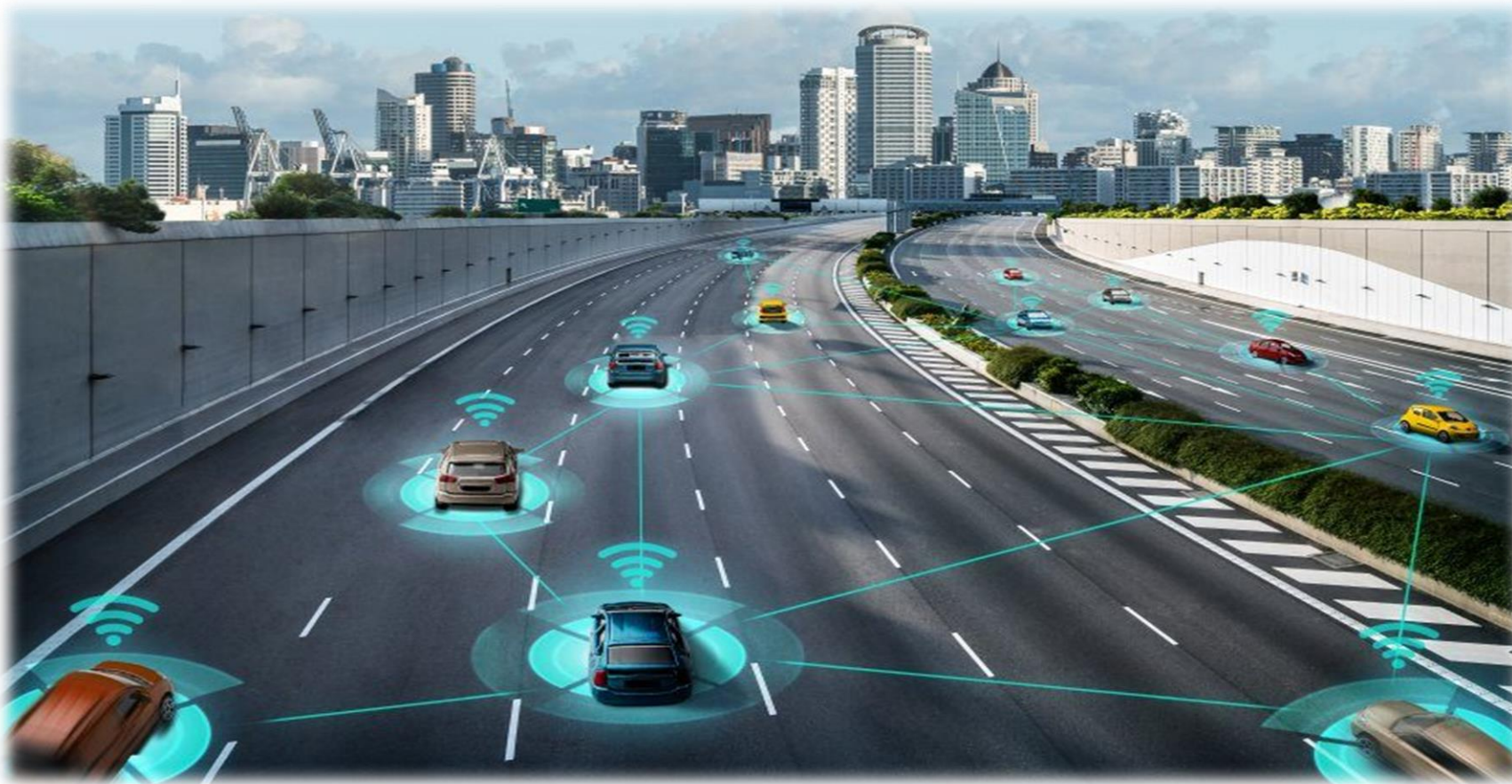




Agenda



Intro



V2V

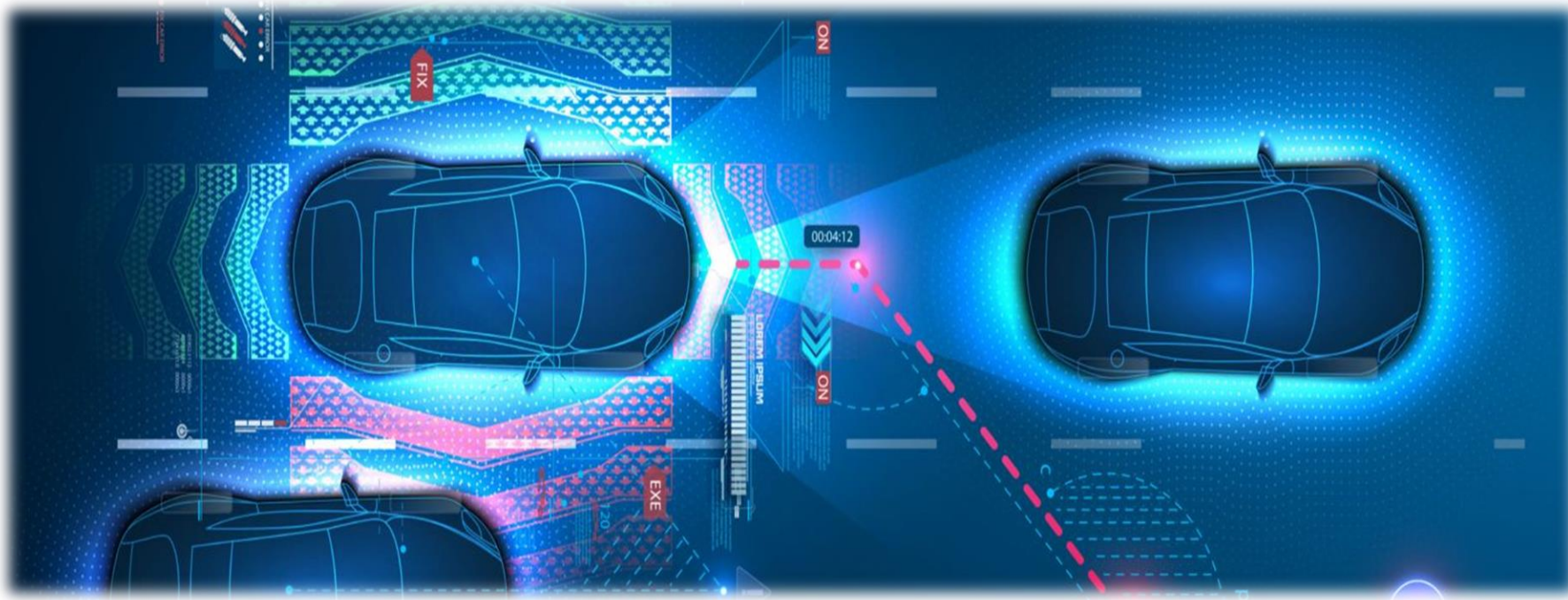
What's V2V

V2V, or Vehicle-to-Vehicle communication, refers to the exchange of information between vehicles for the purpose of improving safety, efficiency, and convenience on the road.



Features

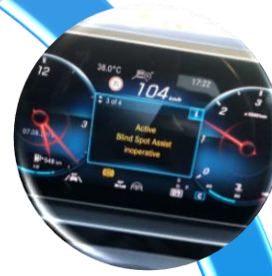
Here are some common features associated with V2V communication:



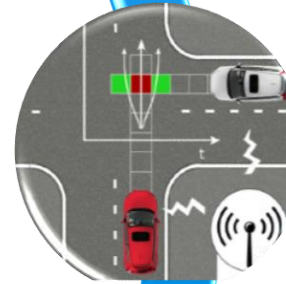
Project Features



**Cooperative
Awareness**



**Collision
Avoidance**



**Intersection
Collision Warning**



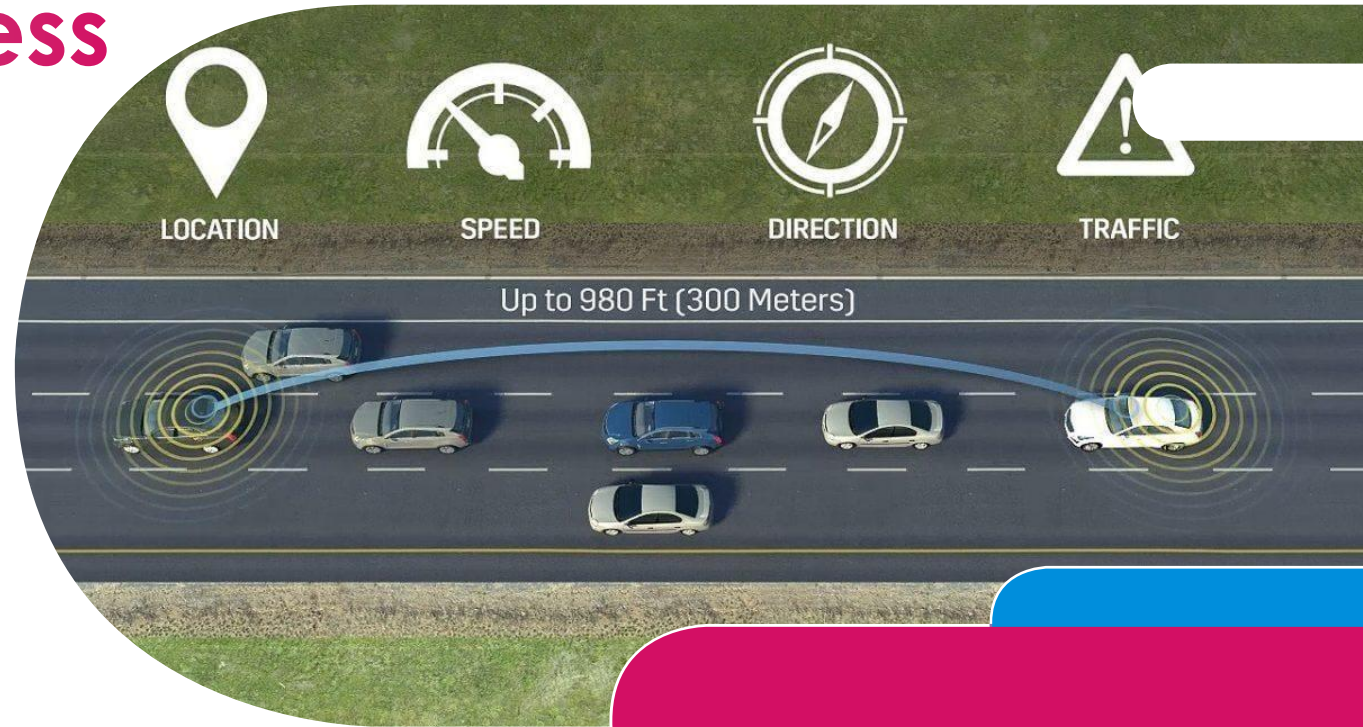
**Traffic Flow
Optimization**



**Road Hazard
Warning**

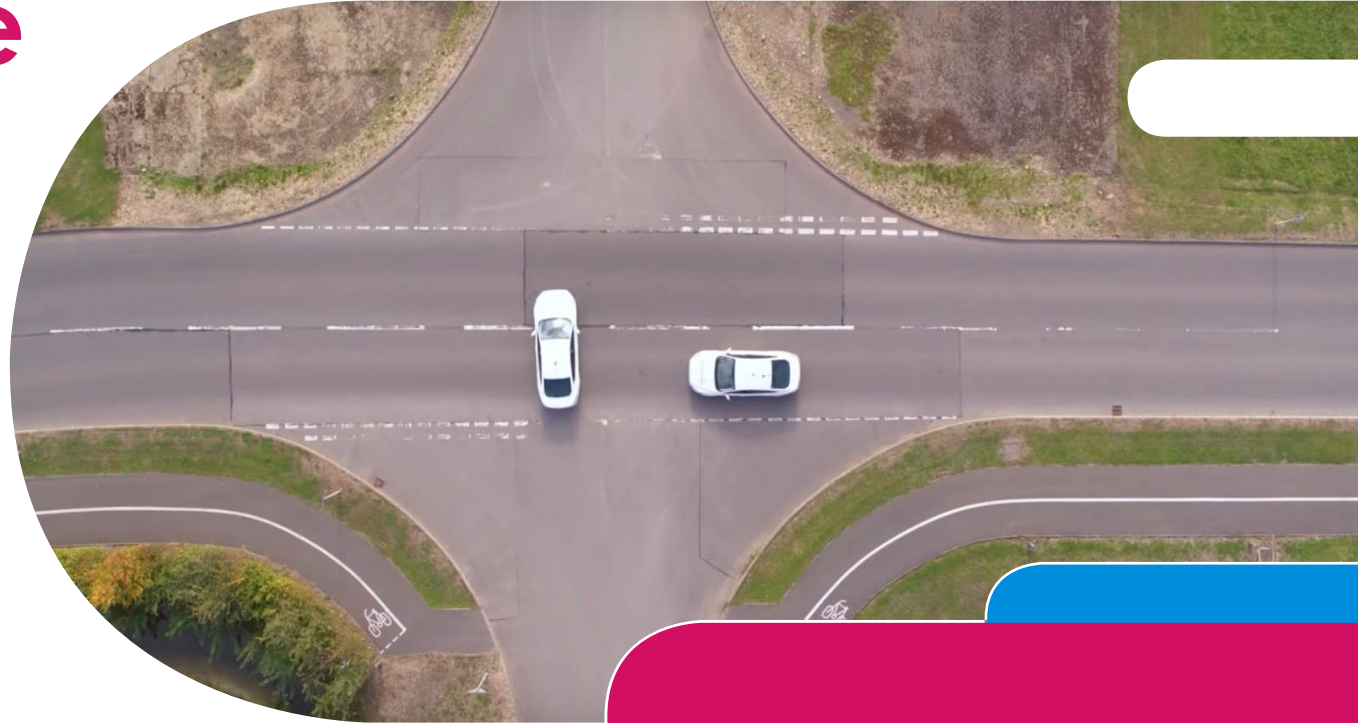
Cooperative Awareness

Vehicles can share information about their position, speed, acceleration, and other relevant data with nearby vehicles. This allows for better situational awareness and helps prevent collisions.



Collision Avoidance

V2V communication enables vehicles to exchange warnings and alerts related to potential collisions. By sharing information about sudden stops, lane changes, or other hazardous situations, vehicles can take appropriate actions to avoid accidents



Intersection Collision Warning

V2V communication can warn drivers when another vehicle is approaching an intersection, even if it is not directly visible. This helps prevent accidents at intersections and enhances safety.



Traffic Flow Optimization

By sharing real-time traffic information, such as congestion, road conditions, and traffic incidents, vehicles can optimize their routes for improved efficiency and reduced travel time

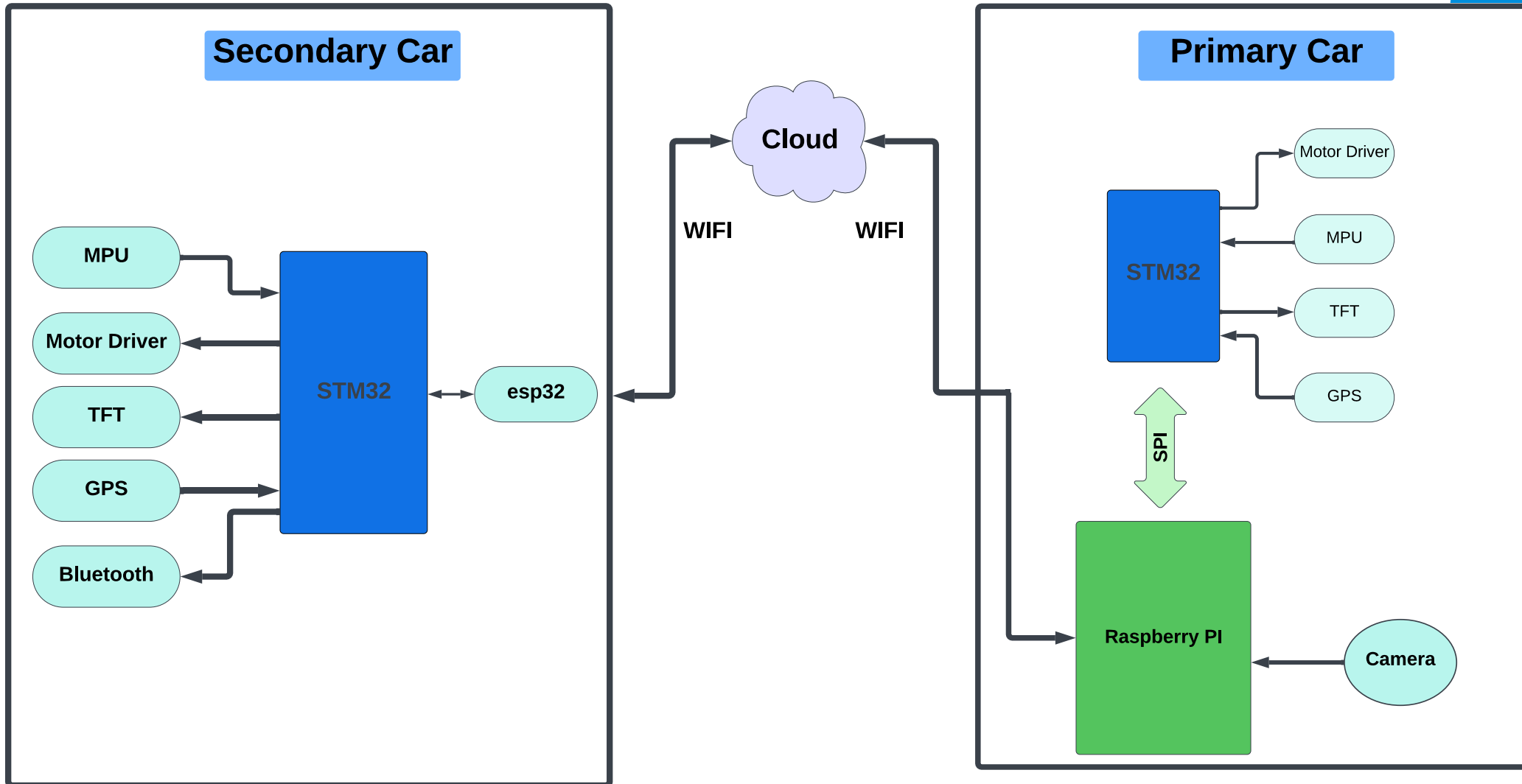


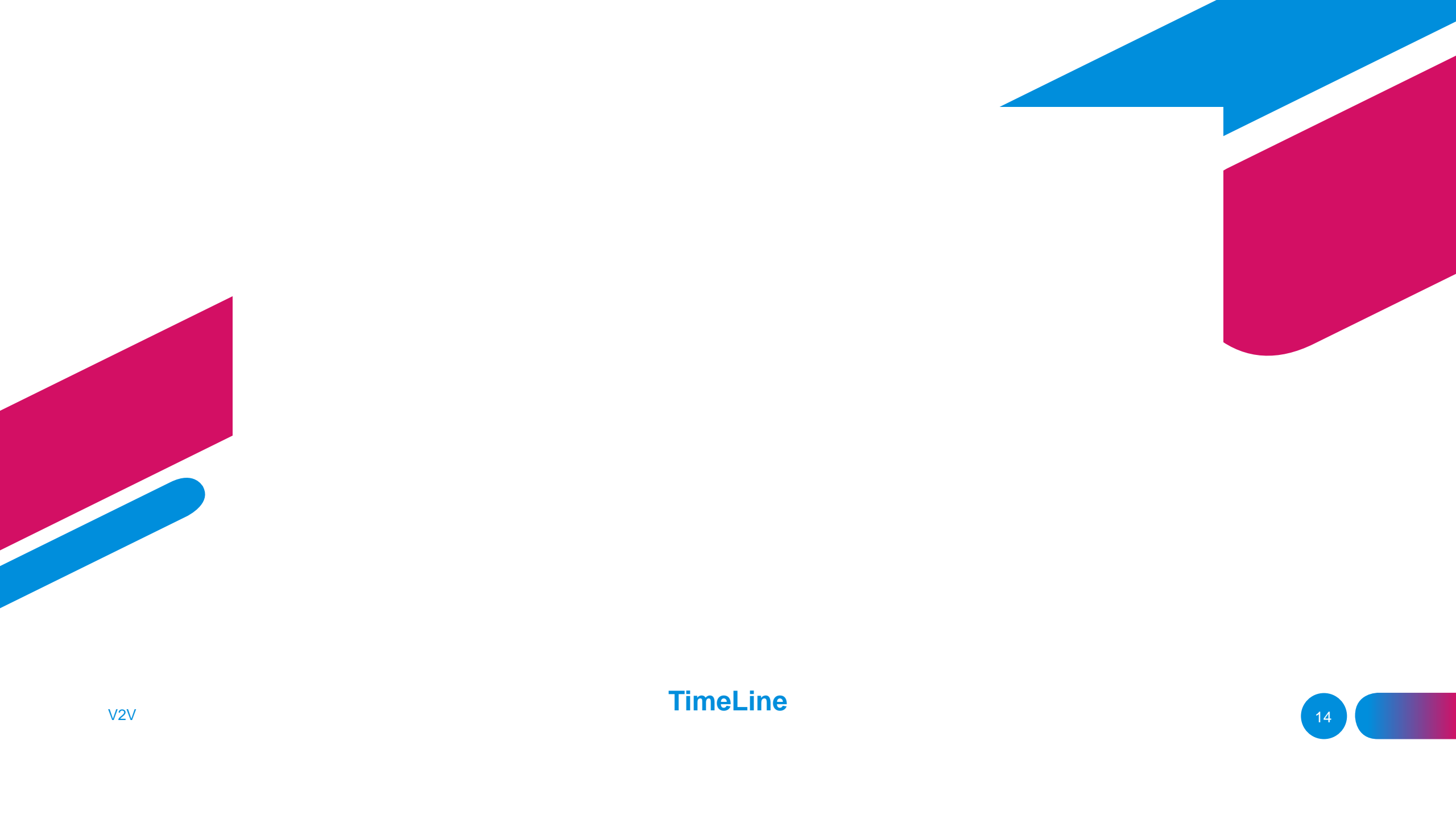
Road Hazard Warning

V2V communication enables vehicles to share information about road hazards, such as potholes, debris, or slippery surfaces. This information can be quickly disseminated to other vehicles, alerting drivers and helping them navigate safely.



System Design





THANK YOU!

Any Questions !

