# WAIT SYSTEM

The WAIT - an acronym here for ***Warning Ahead of Intersection & Turns*** is a product suitable for early warning in blind turns and highway intersections with rural roads.

This is similar to Advanced Driver Assistance system (ADAS) where the Road infrastructure provides an early warning system to avoid collisions in blind turns and highway intersections.

The Technology is based on *RADAR* sensing to detect the approaching vehicles in the blind turns and highway intersections and warn drivers about approaching vehicles.

***Let us Honk for you!*** The drivers' response is spontaneous against Honking as compared to any other alerts. The system alerts the drivers with both Honk and Blinker lights to slow down if any vehicle is approaching from other side in the blind turns and highway intersections.

***No to Congestions in Hills!*** System can avoid congestion in narrow mountain passages, bridges and tunnels by automatic traffic regulations.

***Assistance with Vigilance!*** The system can be equipped with camera and automatic number plate recognition (ANPR) that can alert the authorities for traffic violation in remote areas.

# LINEAR AMPTECH

*Creating Difference with Technology*

Linear-Amptech is a startup that specializes in cyber-physical system design, leveraging artificial intelligence and machine learning for technology innovations in sensor network and its ecosystem.

Marketing & Promotional Partner

SKYNET WIRELESS

http://skynet24.in

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# APPLICATION

## Avoid Accidents

- Alerts drivers on approaching vehicles in blind turns/intersections.
- Uses RADAR technology to detect vehicles.
- Communicates between WAIT units to aid decision-making.
- Enhances safety in mountains and poor weather.

## Traffic Analytics

- Reports vehicle count and speed in real-time.
- Updates traffic data on the cloud or Local Server Control Room (LTE Link)
- Communicate with other WAIT systems for a long range traffic analysis (LoRa Network Connectivity).
- Can be configured remotely for traffic regulations in narrow bridges and tunnels.

## Fully Equiped For Remote Operation

- Connectivity with LoRa WAN, ESP as well 4G LTE
- Can Equip with Solar Energy with battery backup for 3-4 days
- Can operate with AC as well as DC supply.

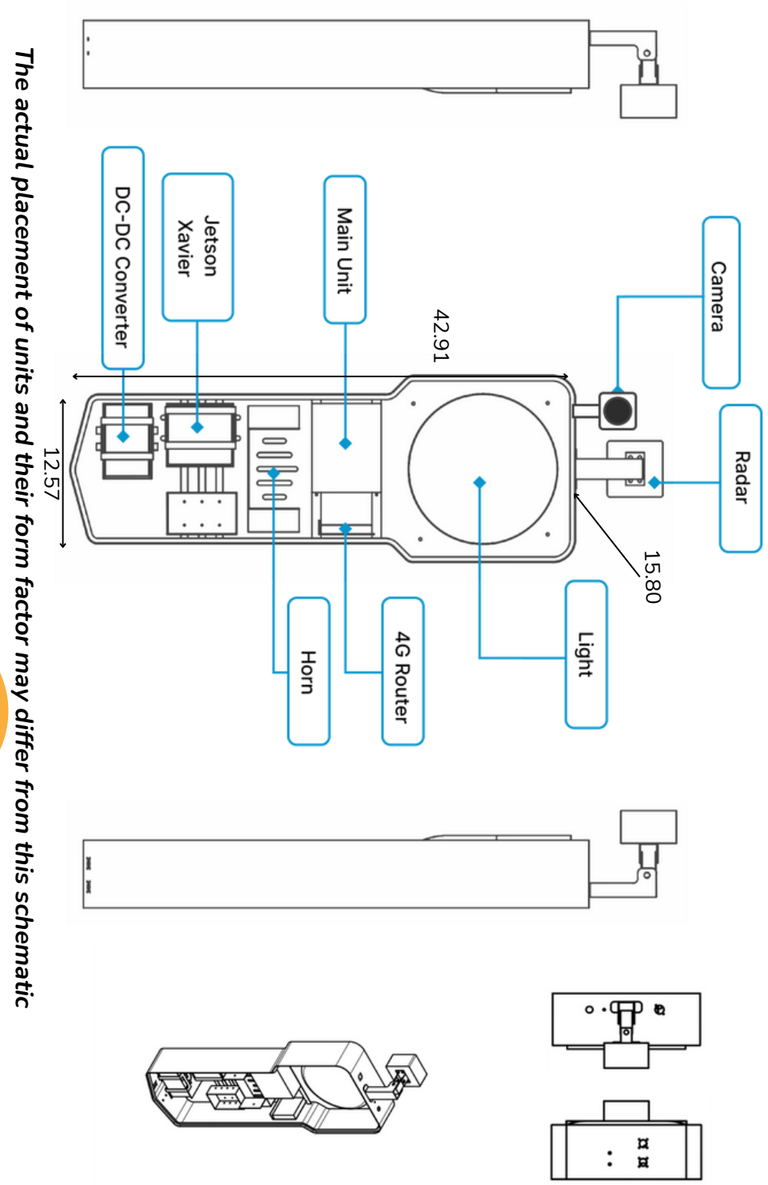
## Innovation For The Future

- Camera integration for license plate recognition.
- Encourages safe driving by detecting traffic rule violations.
- Uses blinker light to control traffic in congested areas.
- LoRaWAN network integration for traffic management and regulations in remote locations where regular human intervention is difficult.

## Modularity Of The WAIT System

- Easily customizable to fit diverse requirements.
- Add, remove, or upgrade modules seamlessly.
- Simplified maintenance: each module can be individually managed.
- Cost-effective due to its modular design.

# MODULARITY IN WAIT SYSTEM




*The actual placement of units and their form factor may differ from this schematic*

# Model 1
# Feature

### Early Warnings
Alerts for incoming vehicle in blind spots.

### RADAR Sensing
Detects vehicles in challenging terrains.

### Vehicle Count
Tracks traffic volume with RADAR.

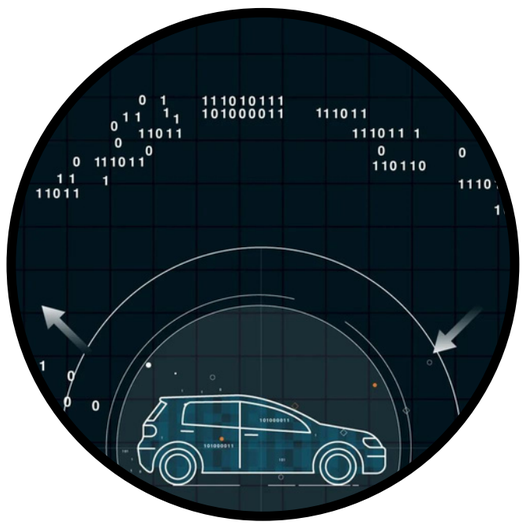
### LTE Integration
Real-time traffic data storage.

### Advanced Driver Assistance System
Honk and flashes blinker light for vehicle approaching in blind turns & intersections.

### Traffic Control
Manages traffic in narrow bridges and tunnels.

### Vehicle Count & Statistics
Provide vehicle counts to the control station through 4G LTE Link.





# Model 2 Feature

***Retains essential Model 1 capabilities.***

### Camera Integration
Automatic number plate recognition of vehicles violating traffic.

### Cloud Storage
Seamless data transmission to cloud.

### Speed Checks
Detects and tickets overspeeding.

### Enhanced Traffic Insights
Combines RADAR and camera data.

### Traffic Control
Manages traffic in narrow bridges and tunnels.

### Advanced Driver Assistance System
Honk and flashes blinker light for vehicle approaching in blind turns & intersections.

### Vehicle Count & Statistics
Provide vehicle counts to the control station through 4G LTE link.

### Automatic Number Plate Recognition
Equipped with camera and Machine Learning Technology at Edge (Processor equipped in the Unit) to automatically read number plate of speed or traffic violators.

### Traffic Regulations & Alerts
Provide licence number plates of vehicles violating the traffic signals as implemented by the WAIT system including speeding to the Control Station through 4G LTE Link.