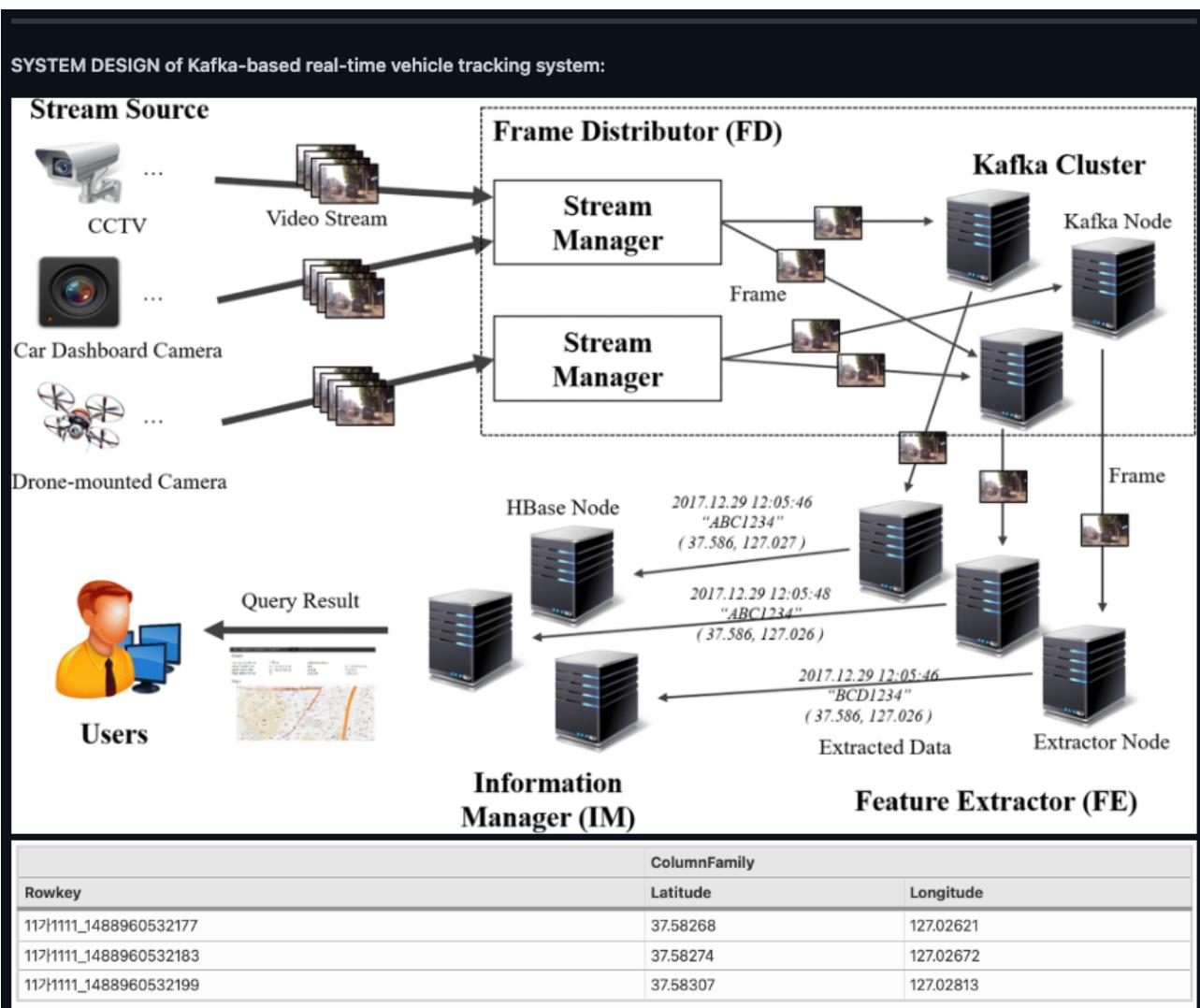
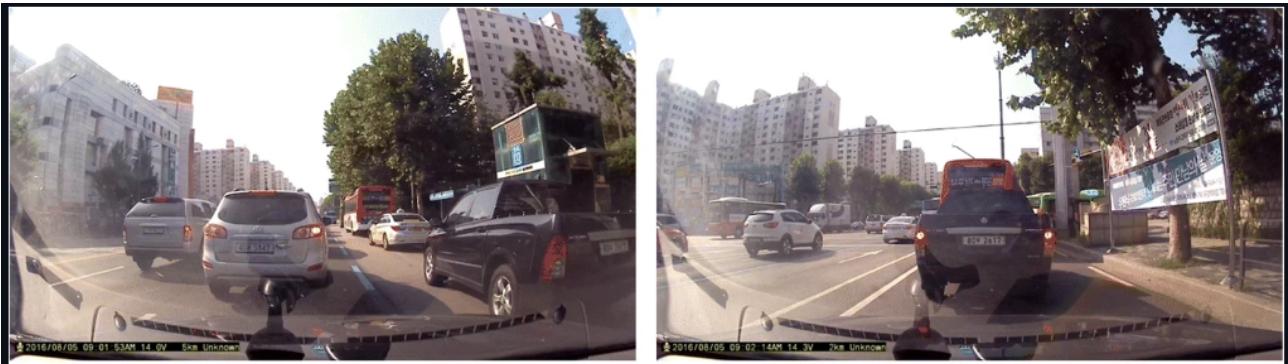


## GeoSpatial Hackathon-StartUp Challenge By IIIT-Hyderabad

Contactless Enforcement Solutions For Cycle Lanes to promote Active Mobility in India as safe as possible.

# AI makes smart vehicles and smart roads possible.





(a)

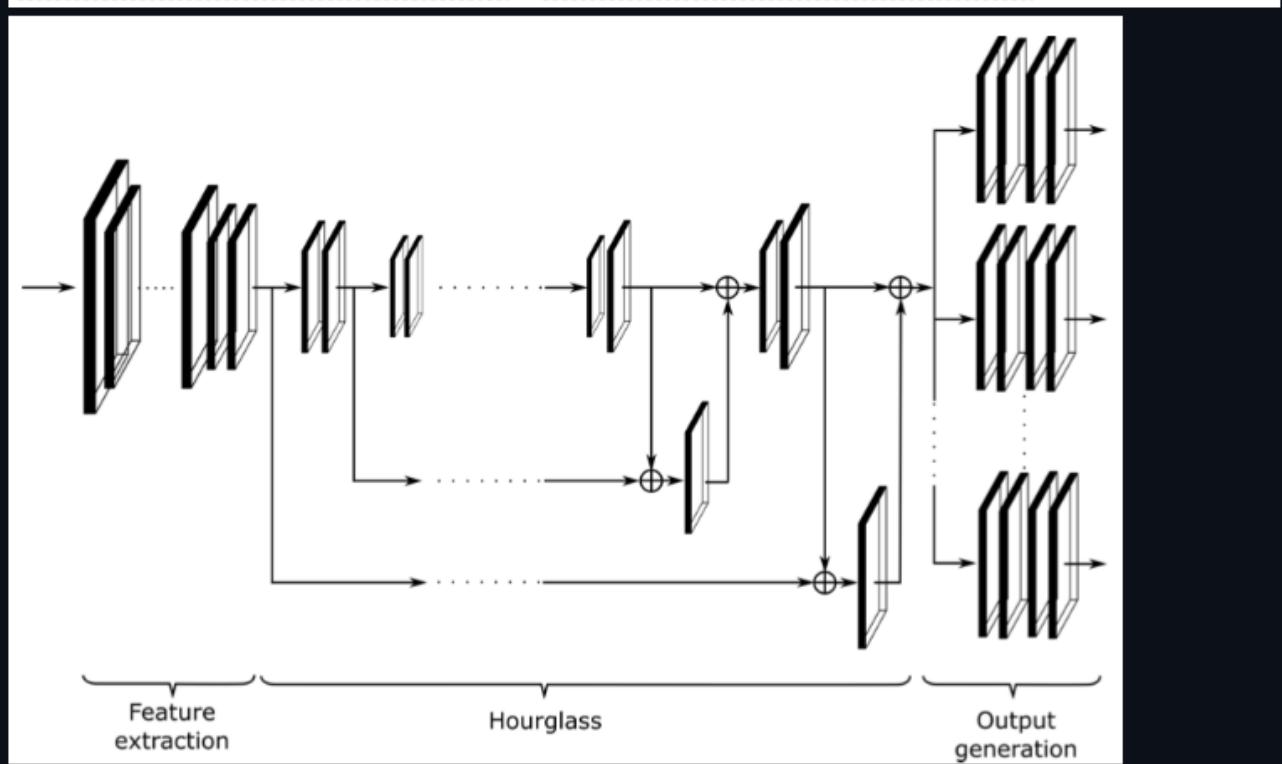
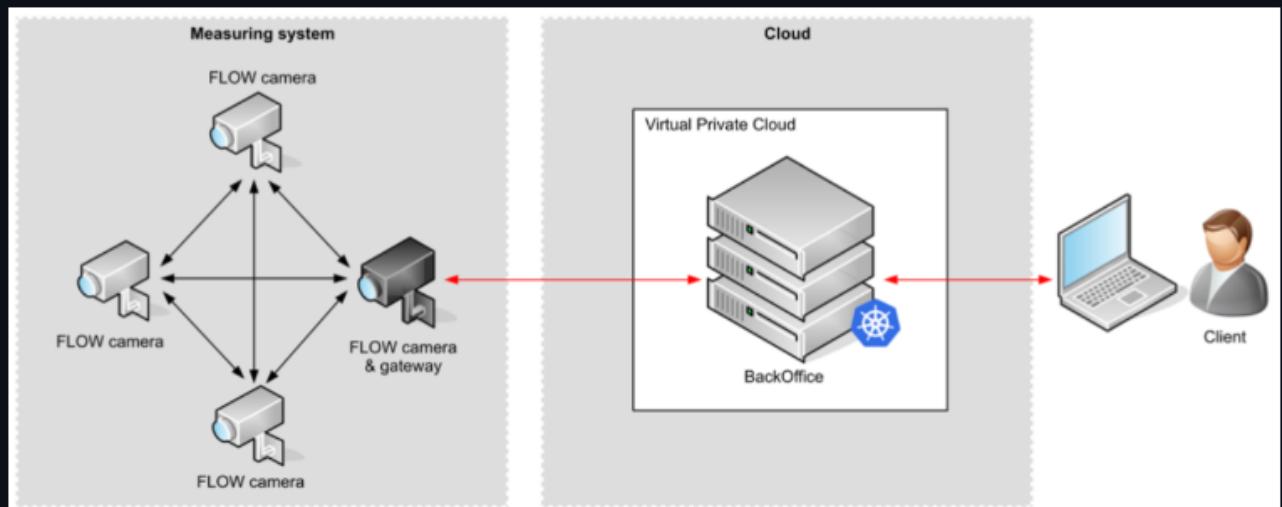
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“latitude” : “37.637308”,  
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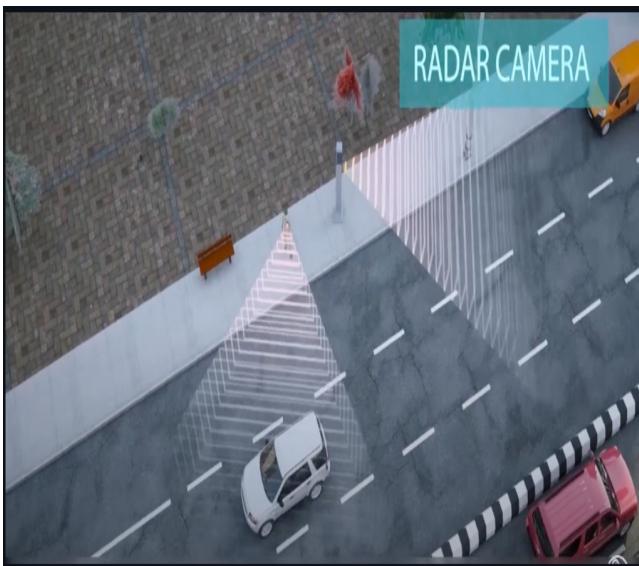
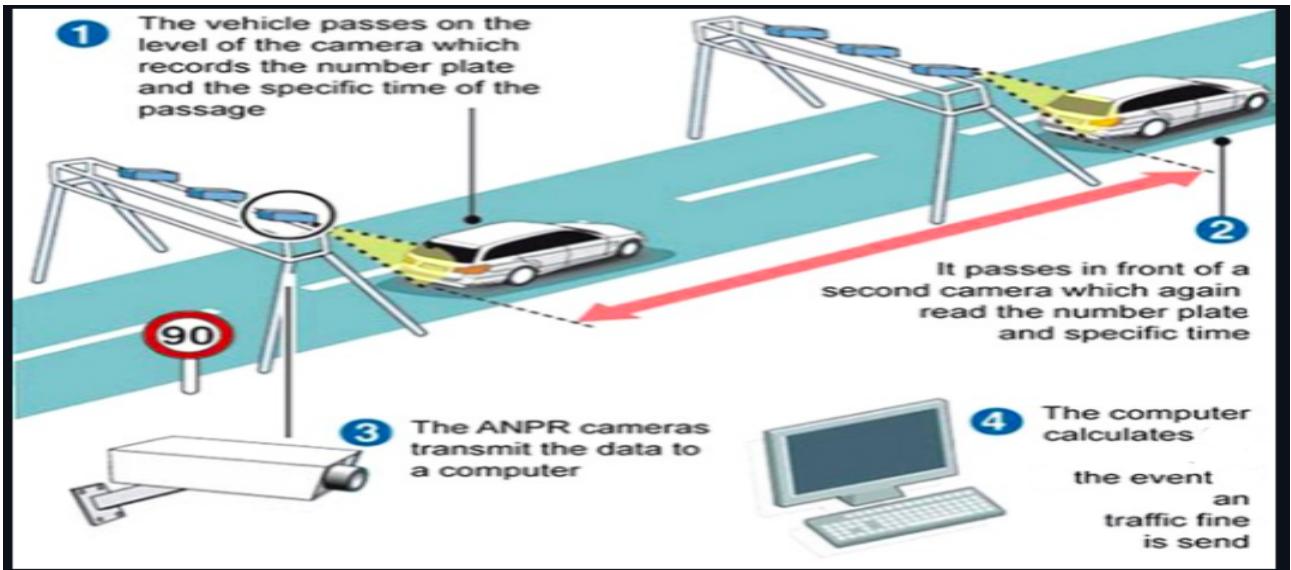
(b)

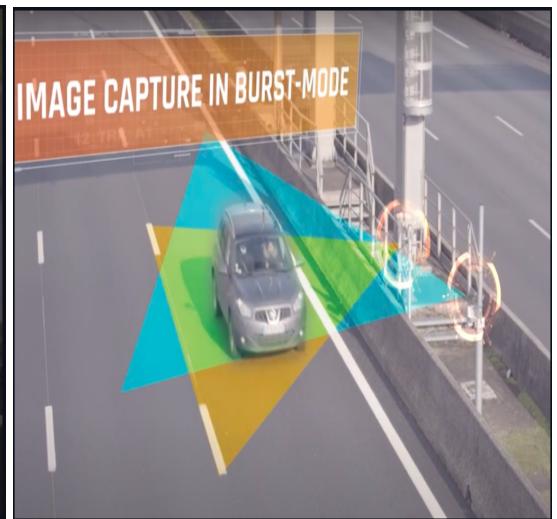
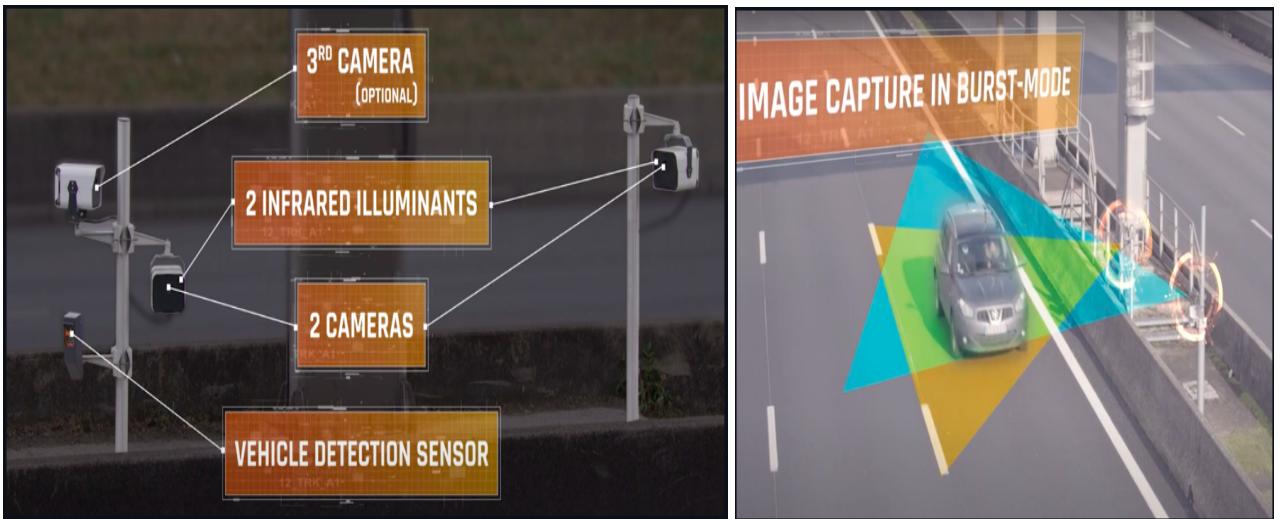
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IVATS	Home	Tracking	Congestion	Grid
Query			Report	
Tracking Target Number	11가1111		Total Number of Points	37
Searching Start Time	2017-12-01 07:00:00		Start	
Searching End Time	2017-12-01 19:00:00		Time	2017-12-01 08:01:20
			(Latitude, Longitude)	(37.584207, 127.031024)
			End	
			Time	2017-12-01 18:02:56
			(Latitude, Longitude)	(37.584518, 127.031240)

**SYSTEM DESIGN** of Multi-Camera Vehicle Tracking Using Edge-Computing and Low-Power Communication:







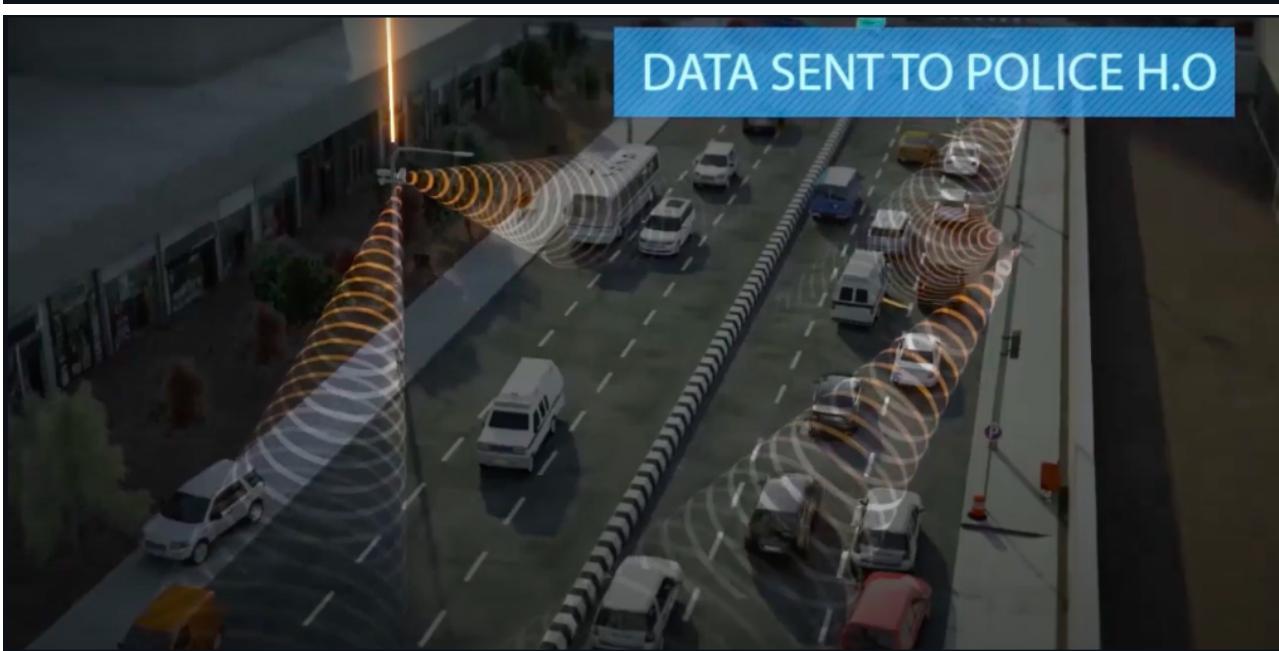
**LICENCE PLATE ANALYSIS**

**ES-070-SV**

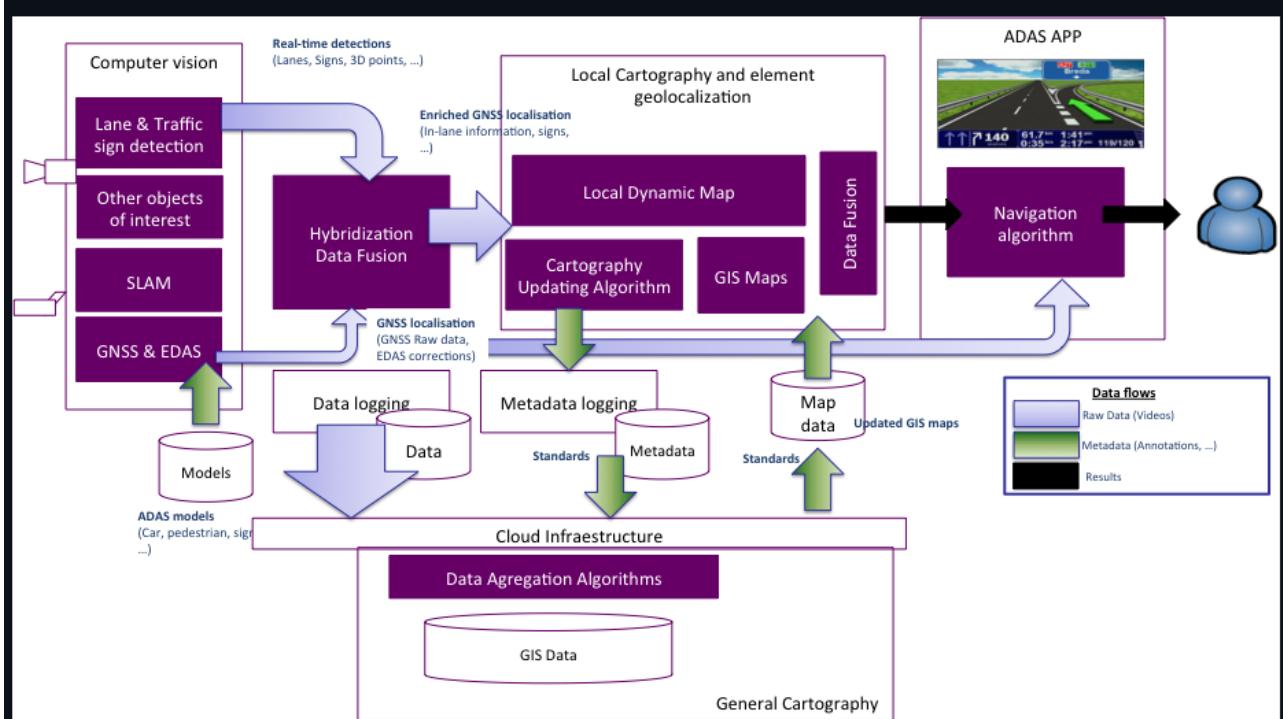
**AIR QUALITY CERTIFICATE**

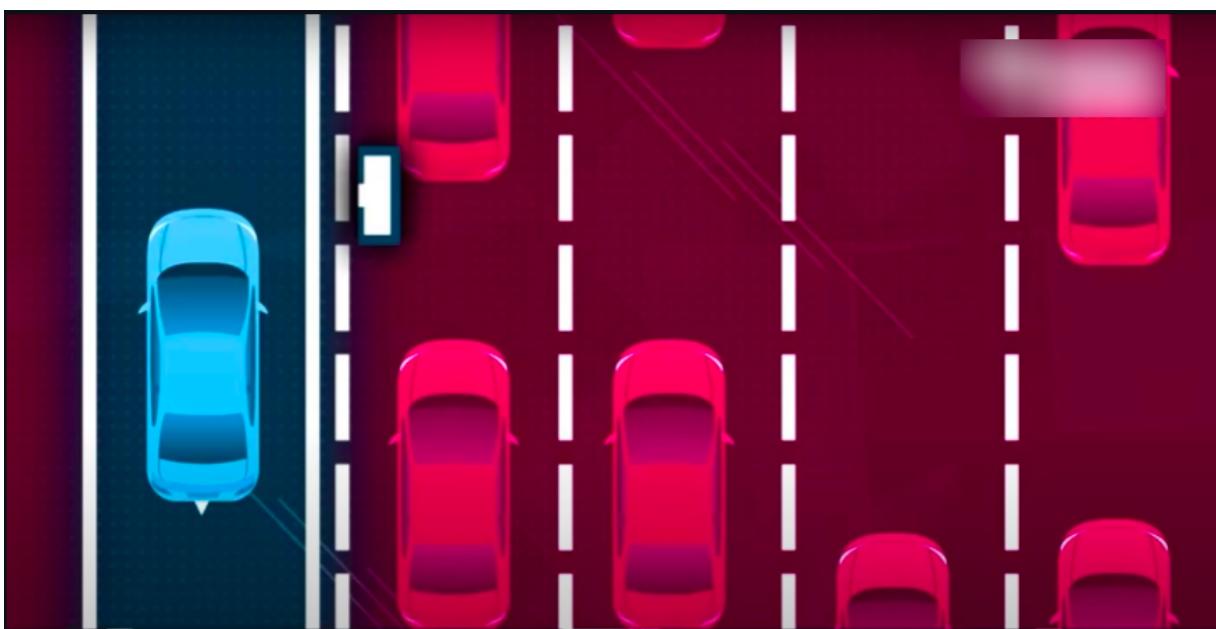
**DATA SENT TO POLICE H.O.**

ACTIVE	PASSIVE	HUB	HUB	HUB
91.12	8155.803	TRANSFER LOG		
SCANNING				
RELOADING				



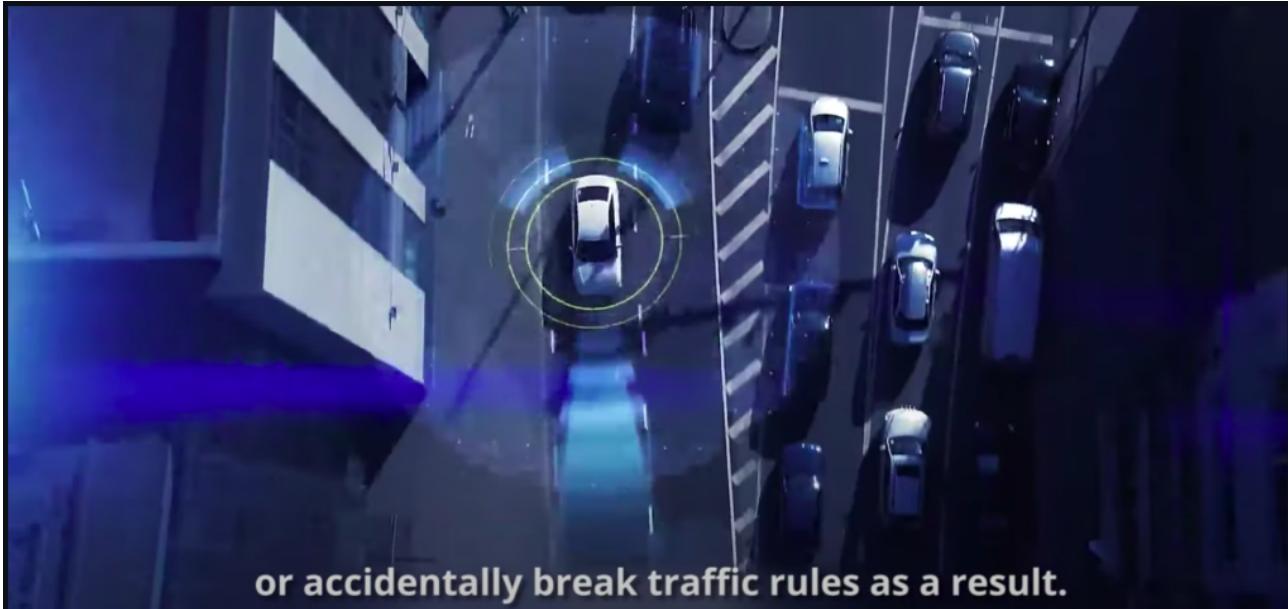
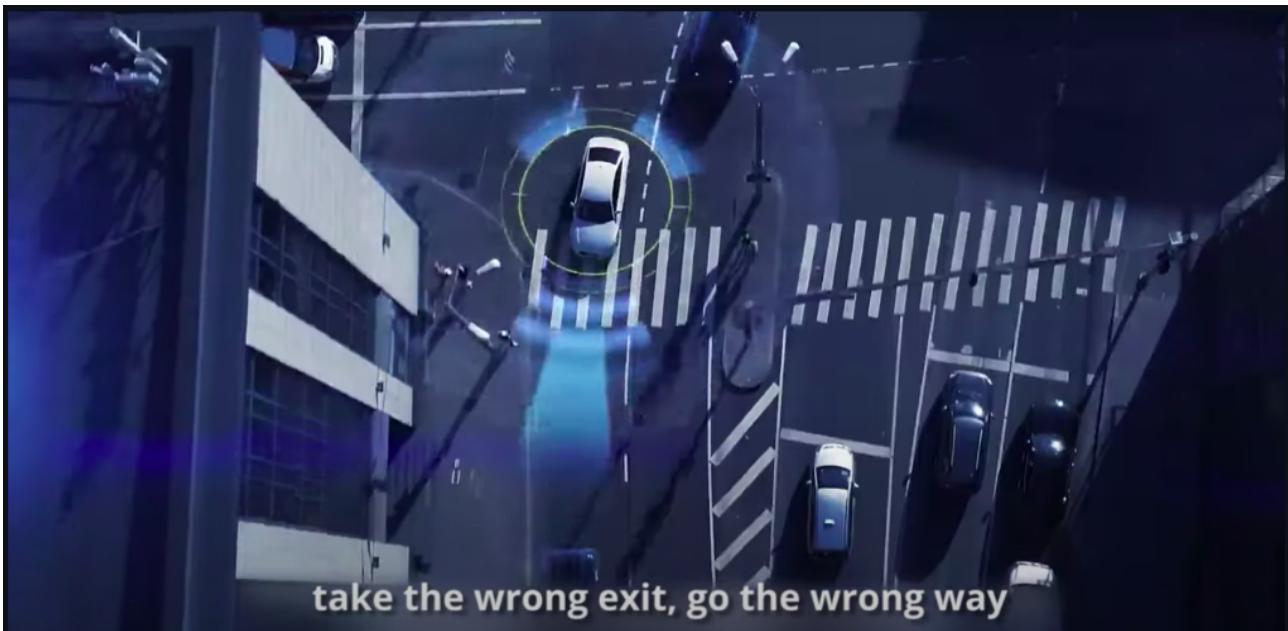
## SYSTEM DESIGN of Moving Lane Guidance & Sub-meter Lane-Level Navigation:

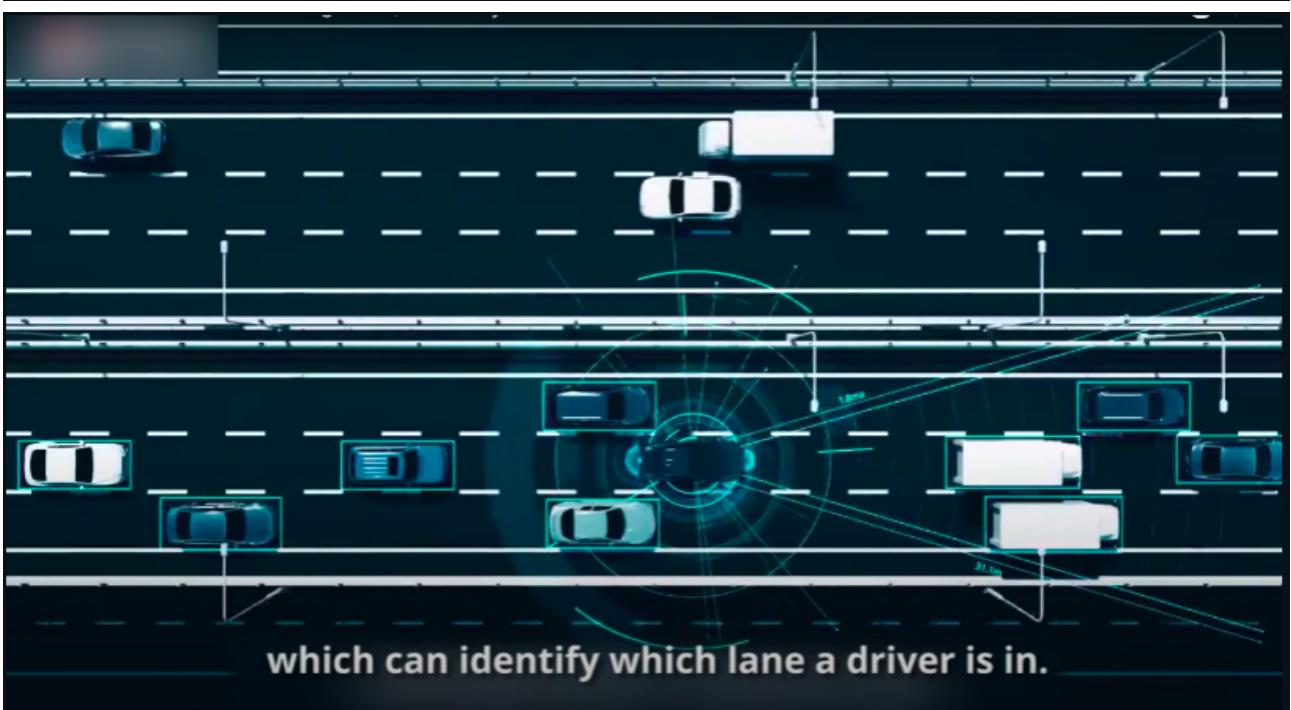


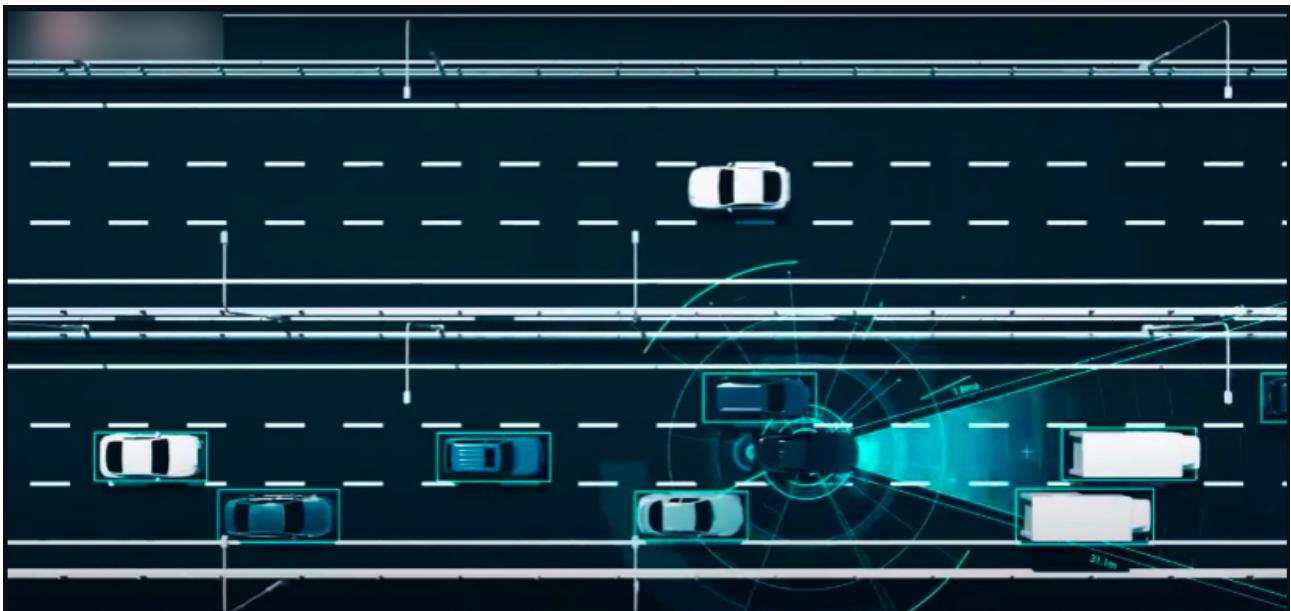


User Interface:

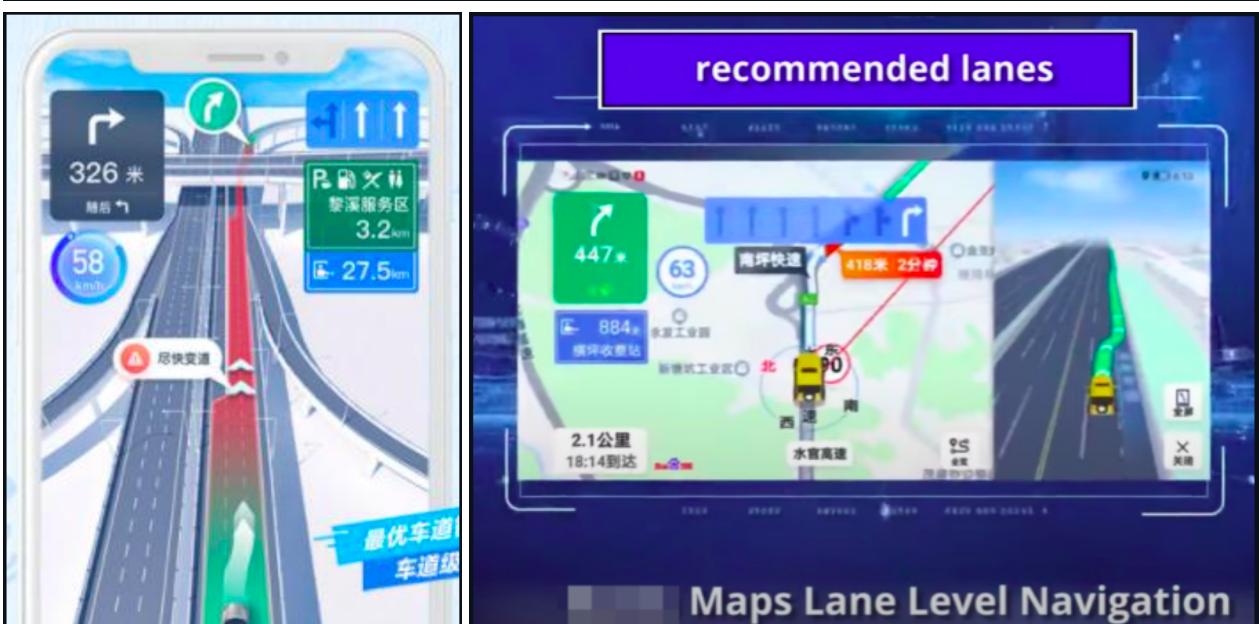
## Lane Level Navigation







This allows the app to give appropriate, timely directions,



and dynamically guide drivers into the [redacted] lane,



creating a new level of driving experience.

split or full screen navigation



split or full screen navigation,

## hazard and congestion notifications



and hazard and congestion notifications





## ENABLING ACTIVE MOBILITY:

SUPPORTING THE USE OF BICYCLES AND PERSONAL MOBILITY DEVICES.

S'pore's 3<sup>rd</sup> Cycling Path Network in Pasir Ris recently completed.

Govt to look at promoting safe & harmonious co-existence between pedestrians, cyclists and users of personal mobility devices.

Pilot trial for dedicated cycling infrastructure in HDB towns like Ang Mo Kio, with weather protected and elevated cycling paths.

Cycling Path Networks in Yishun, Changi-Simei and Taman Jurong ready by 2015.

Inter-town cycling routes will be built.