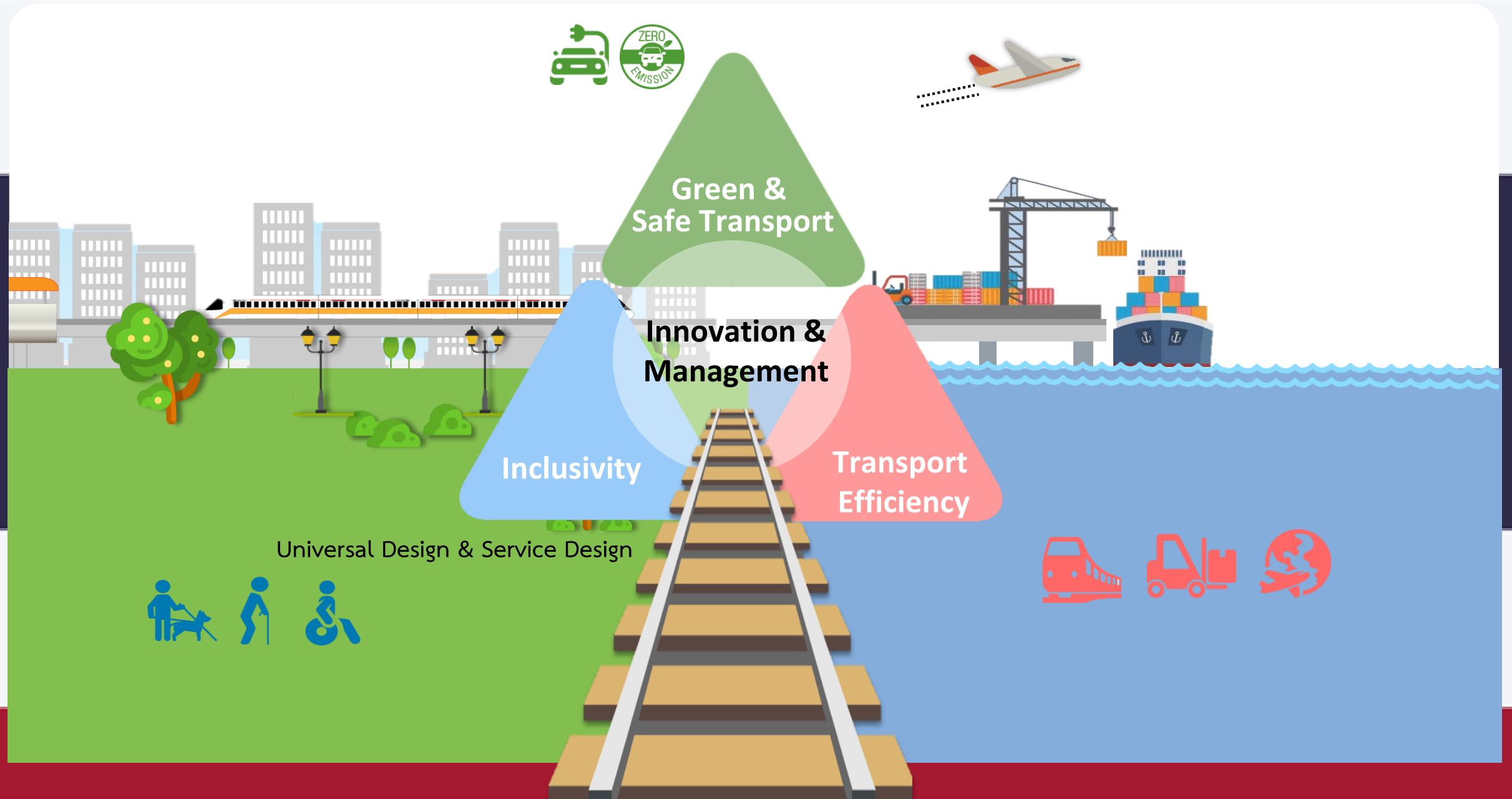
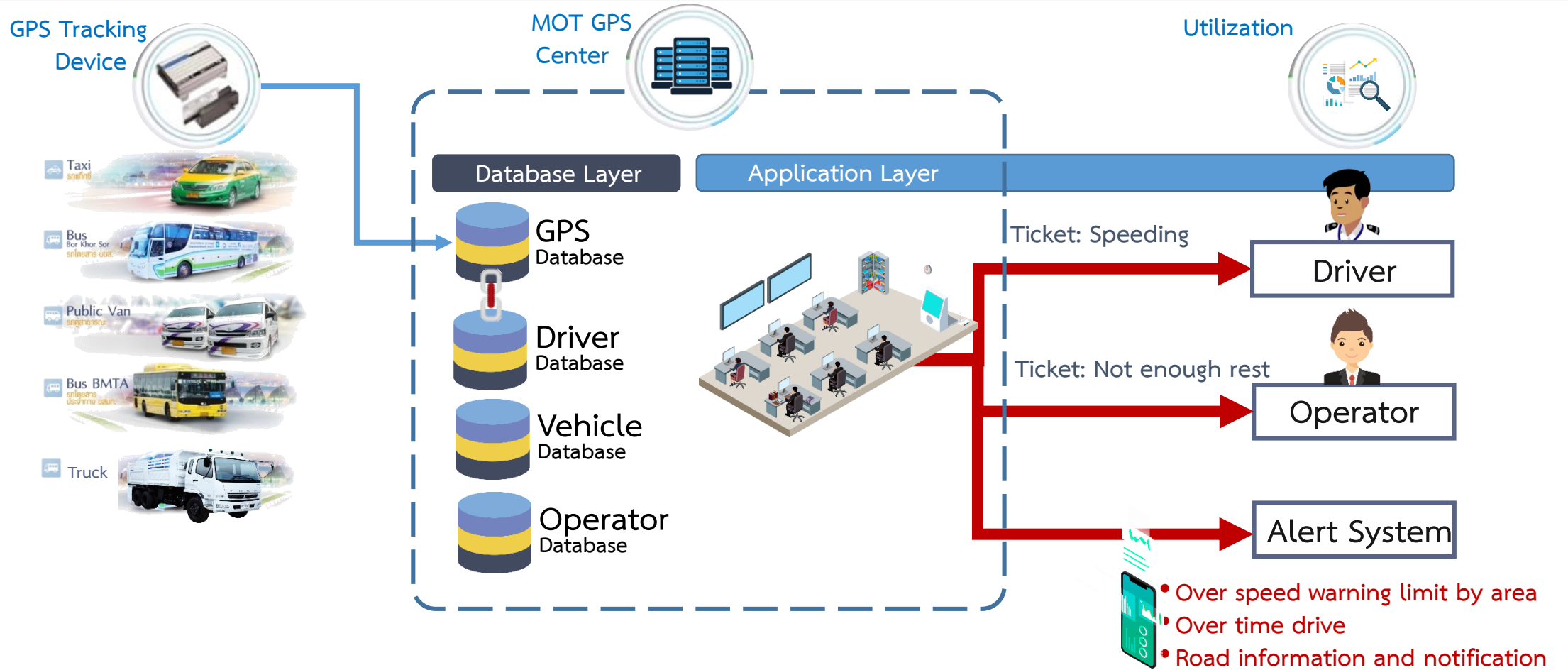


GOALS OF TRANSPORTATION SYSTEMS DEVELOPMENT



UTILIZATION OF GPS DATA



Controlling under Law Enforcement

- | | | | | | |
|-------------|-----------------|--------------|-------------------------|--------------------------|-------------------------|
| Do Speeding | Not Enough Rest | Not Identify | Invalid Driving License | Not Installed GPS Device | Failed to Send GPS Data |
|-------------|-----------------|--------------|-------------------------|--------------------------|-------------------------|

Regulate

Check station access of public vehicles e.g. Number of trips, parking times

Supervise

- Share information
- Educate

UTILIZATION OF GPS DATA WITH OTHERS DATA

Weight-In-Motion System (WIM)



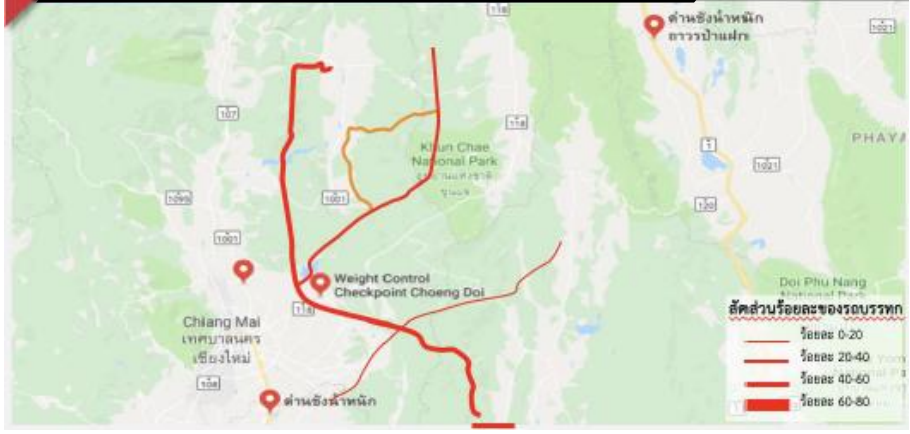
Dangerous goods truck information from Laemchabang Port



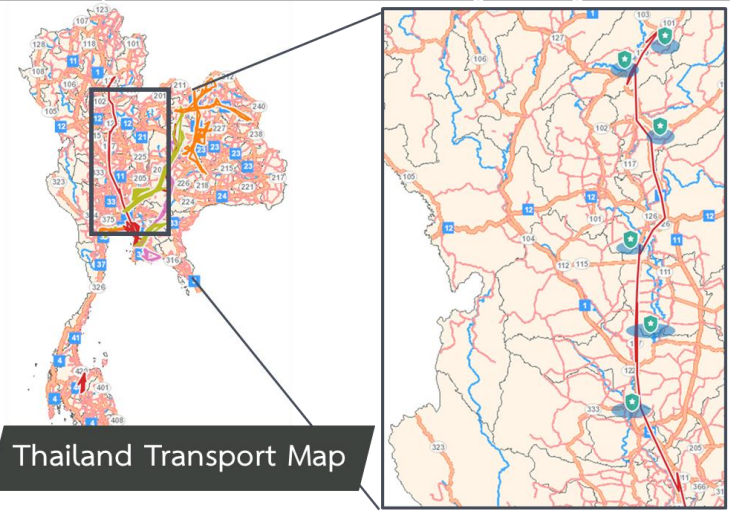
ชื่อสารเคมี กากอุตสาหกรรม Company Code DIW-T-050 200708 Waste Code		 9 เกิดเหตุฉุกเฉินติดต่อ บริษัท นีโอ เซ็นเตอร์ เทคส์ จำกัด โทร : 0-2981-7844, 0-2982-9967 แฟกซ์ : 0-2983-9899	DIESEL OIL น้ำมันดีเซล FLAMMABLE วัตถุไวไฟ NO SMOKING ห้ามสูบบุหรี่ NO NAKED LIGHTS ห้ามก่อให้เกิดประกายไฟ	 HAZCHEM. 3Z Hanyuanmao LICENSED No. สป. 52510/10 Emergency Call 0-2981-7544 0-2982-9967
เกิดเหตุฉุกเฉินติดต่อ 191 สำรวจทางหลวง 1193 ตำรวจดับเพลิง 199	HA 01			

The route expected to be risk from dangerous goods transport

The route expected to be overweight



- Very high risk, wide impact
- High risk, wide impact
- Low risk, small impact
- Very low risk, small impact



Thailand Transport Map

MOBILE BIG DATA SOLUTIONS FOR THE FUTURE

MOBILE BIG DATA

- Sex
- Age Interval
- Tourist/Traveler sims



1 Non-identification Process



2 Tabulation process



3 Concealing process

SENSOR DATA

- GPS of Public Vehicles
- Weight in Motion (measure the weight and gross weight of vehicles as they travel at highway speed)

GIS

- Base Map
- Transport Infrastructure
- Point of Interests



Big data analytics process

Results of mobile big data and sensor data analytical is combination of spatial data and time series that use to insight movement behavior about O-D, speed and frequency.



Define Transport Route



Feed Public Transport for Passenger Demand (Peak-Time)



Set Multimodal Transportation Point, Rest Area and Truck Weight Point



Universal design for journey of ageing



People Migration Planning During Disaster and others event