

About Tim



=NOW=

- President, TMS Technologies Co., LTD.
- Deputy Chairman, Transportation Group,
 Organization for Data-driven Application.
- Director, Intelligent Transportation Society
 of Taiwan
- Director, Taiwan Telematics Industry
 Association

=Judge Experience=

- 2015-2019 Asia open data Hackathon
- 2015-2019 Taiwan Open Data Hackathon
- 2015-2019 International ICT Innovative
 Services Awards



Urban Traffic Management Center

ATMS – Advanced Traffic Management System





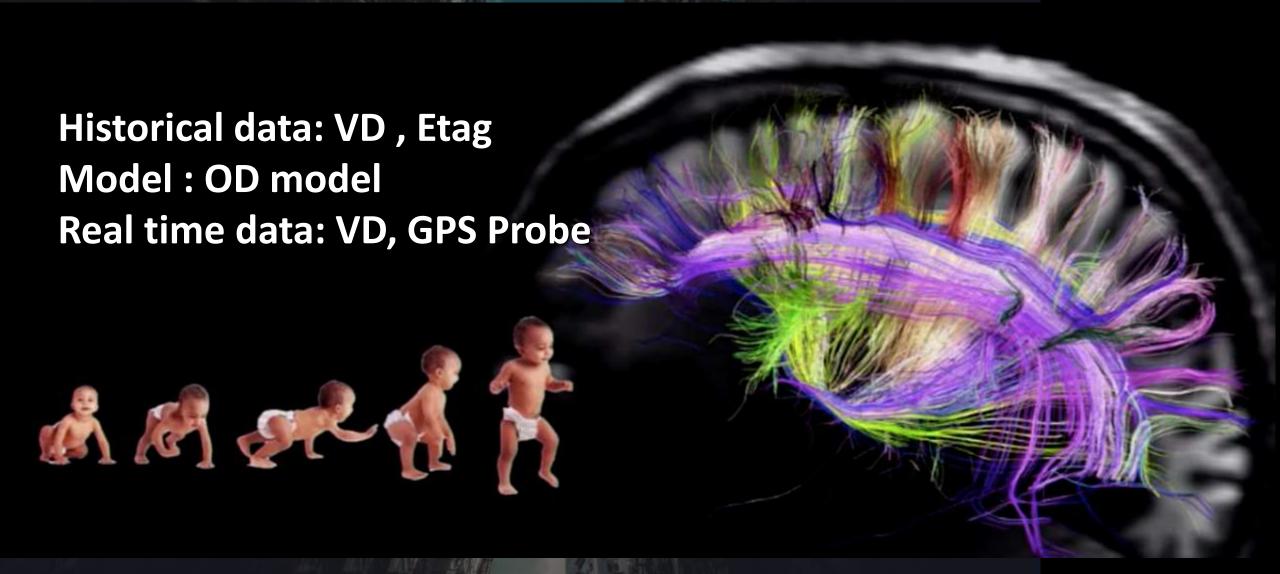




Can Traffic lights learn to deal with traffic complexities?

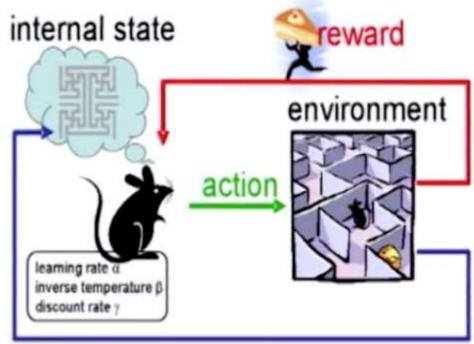


Learning from Big traffic data



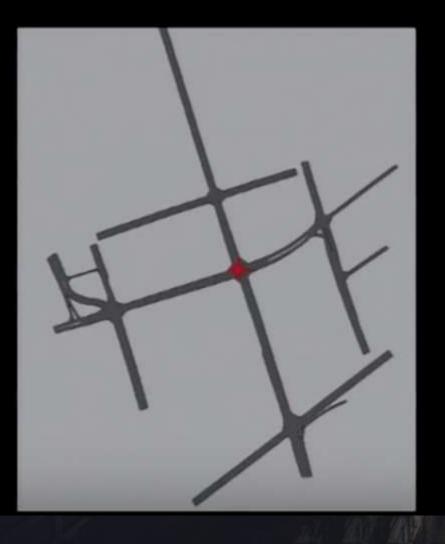
Learning how to do right action





observation

Collaboration traffic control strategy

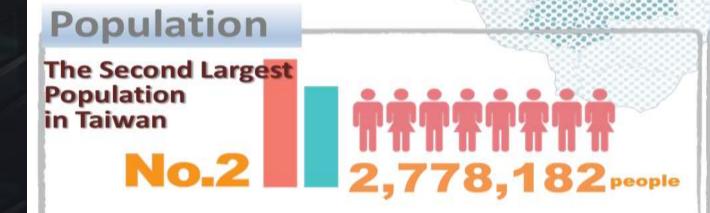




Taichung City Profile

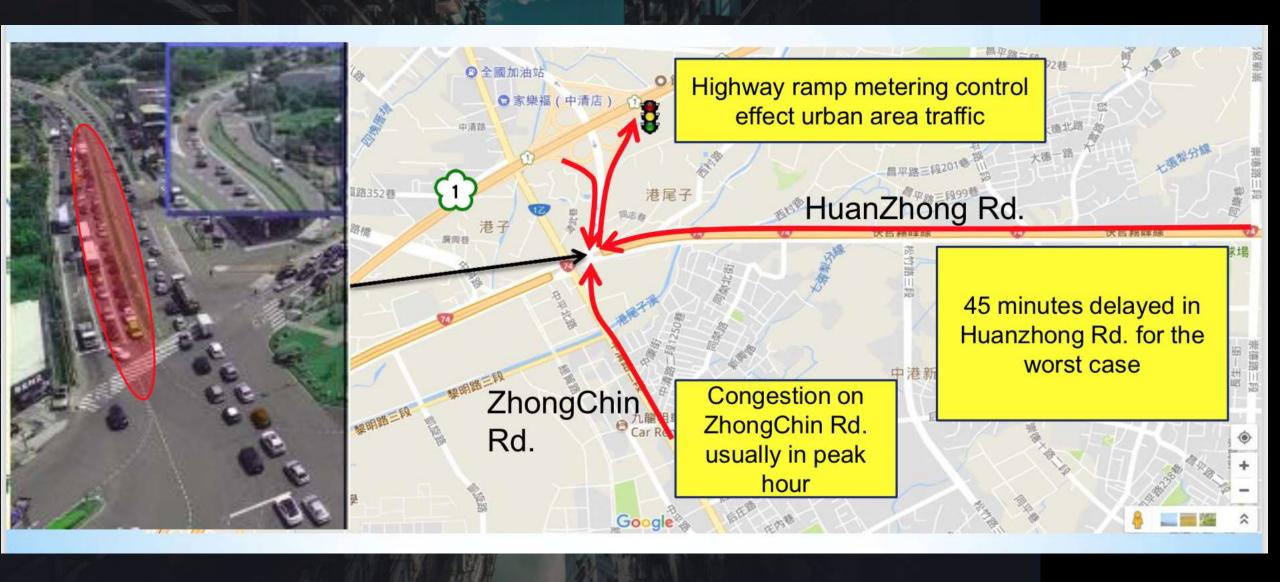




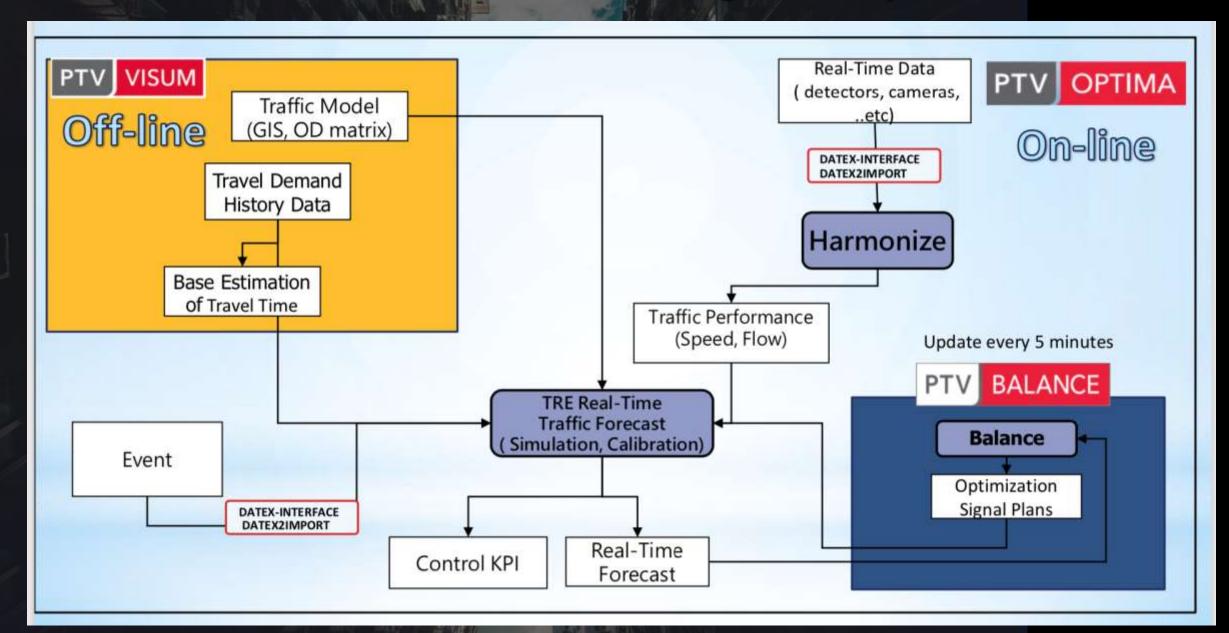




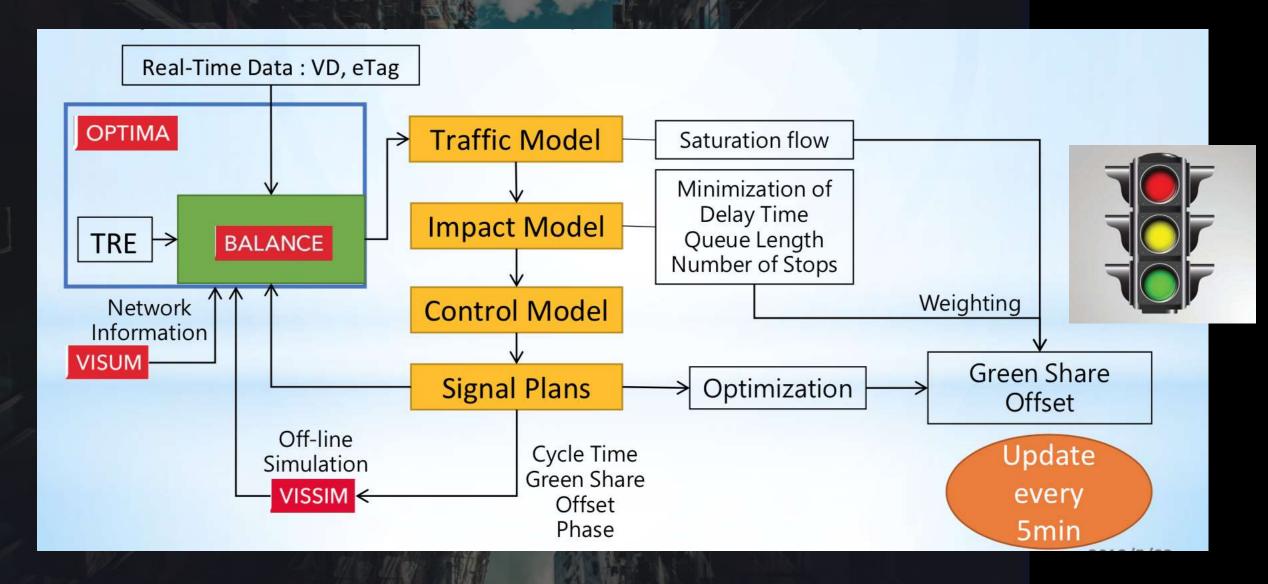
45 minutes delayed in Daya Interchange area



Model-based Traffic management System



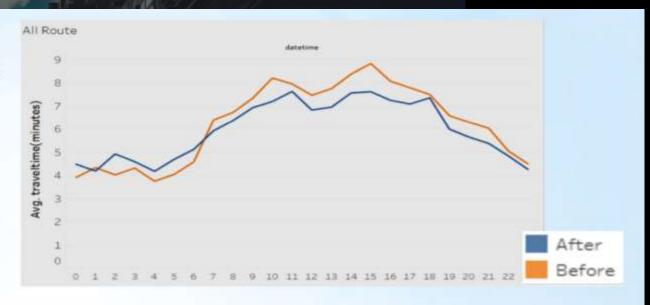
Adapted signal control



Our Performance

*Area-wide traffic travel time





Analysis items	Statistics	Difference percentage(%)	
Before average travel time (min)	6.8	-9.4%	Total travel time
After average travel time(min)	6.2		decrease!
Before passing flow (pcu)	59,931	+7.6%	Total passing flow increase!
After passing flow (pcu)	64,490		
Before average speed (kph)	16.1	+8.4%	Total average speed increase!
After average speed (kph)	17.5		

