CARTALK AS A SERVICE

CaaS

A JOINT RESEARCH PROJECT BY

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INTERNET EDUCATION AND RESEARCH LAB
ASIAN INSTITUTE OF TECHNOLOGY
(INTERLAB/AIT)

AND

THE NATIONAL SCIENCE AND TECHNOLOGY DEVELOPMENT AGENCY
(NSTDA)

“Should I turn off my engine ?” (to save the earth)
ถ. ประชาชื่น
Thanon Prachu Chuen
CARRYBOY
NISSAN
FRONTIER
NAVARA

Idle or not idle your car ?

Testing at 21°C ambient conditions on a late-model mid-sized American car shows that idling for more than 10 seconds uses more fuel *(Figure 3)* and emits more CO_2 *(Table 1)* than engine restarting.

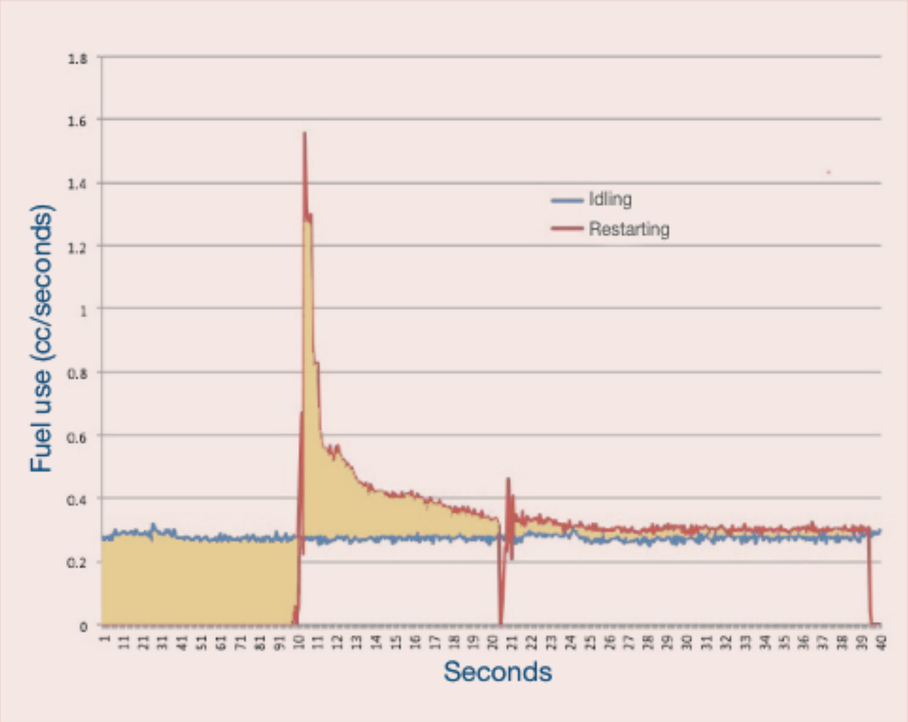


Figure 3. *The shaded area under the blue line (idling fuel rate) and the red line (restart) before the engine is restarted (at 10.1 s) represents the quantity of fuel that the engine would have burned if it were idling instead of being off, and the shaded area between the lines after the engine is restarted represents the excess on restart.*

Credit: http://www.afdc.energy.gov/uploads/publication/which_is_greener.pdf

"What's happening there ? Can anyone tell me ?"
ทางออก
EXIT
น.2-12
เมืองทองธานี
(ศูนย์กีฬา)
Mueang Thong Thani
Sports Center)
1
กม.
Km.
ม. ธรรมศาสตร์ - บางปะอิน
(ศูนย์รังสิต)
Thammasat Univ
(Rangsit Campus)
Bang Pa-in
กข 9392

“What if I could tell the toll station ahead that I need changes? Or better, just transact with my e-Wallet?”

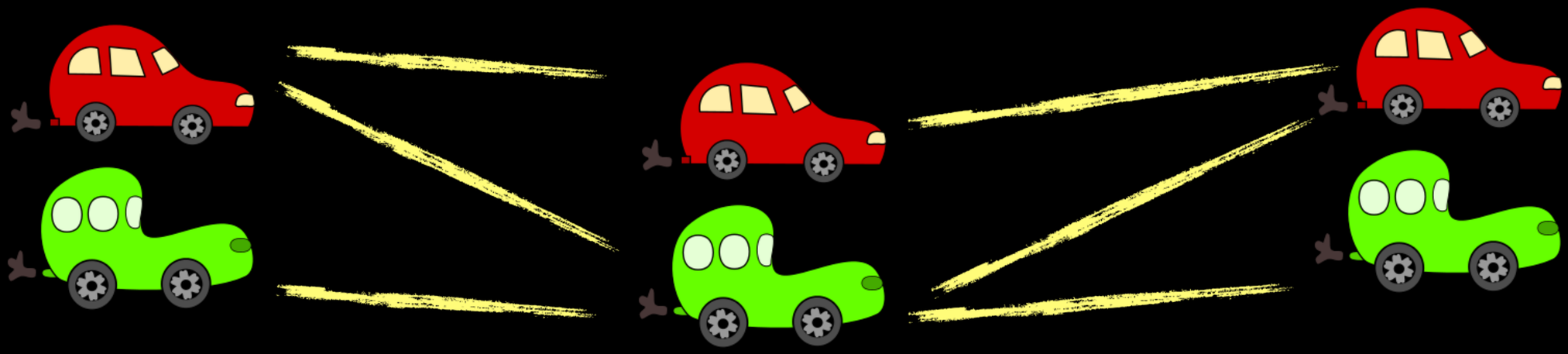
IMAGINE...

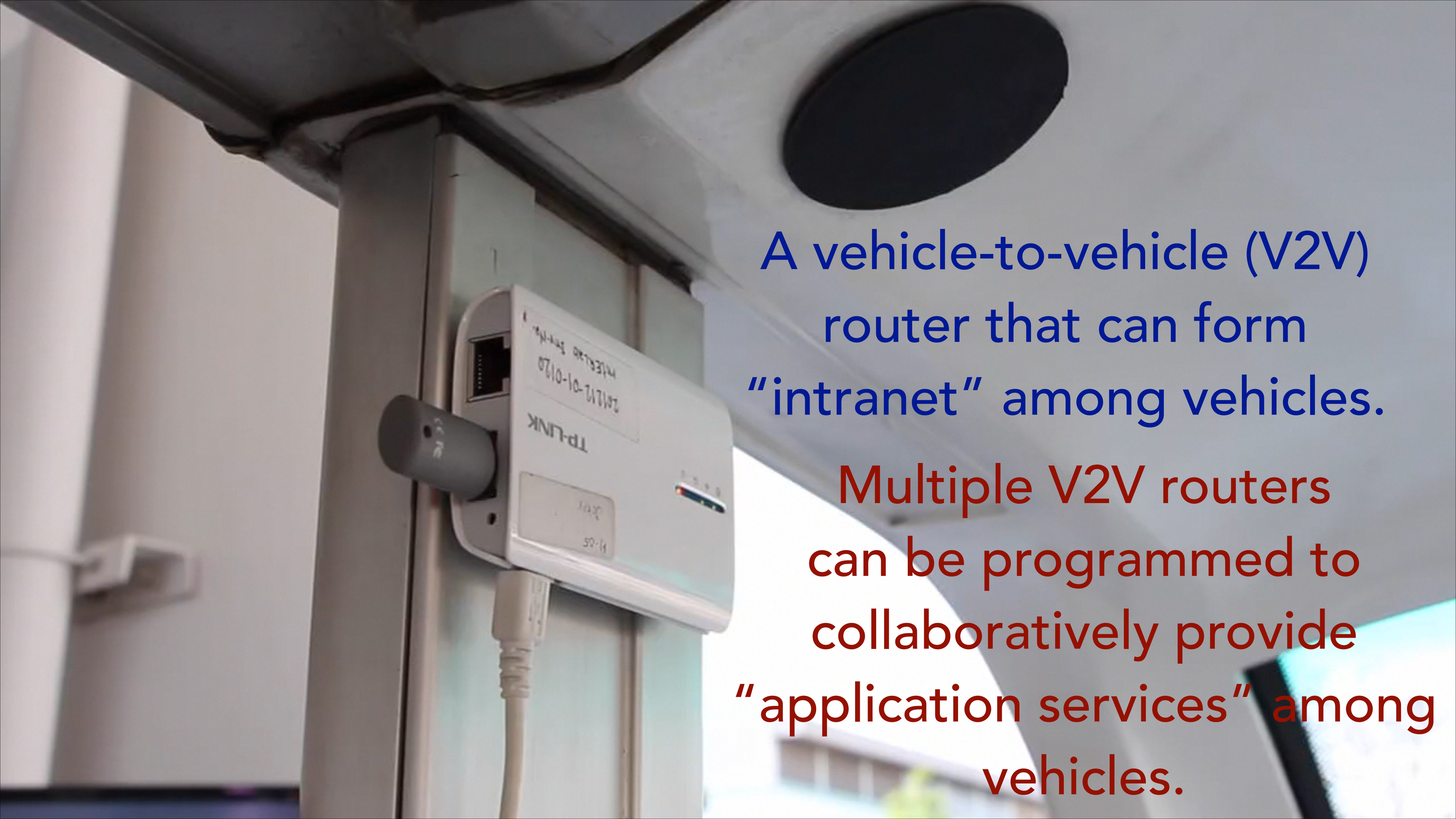
That vehicles are inter-connected and can directly share information

That ICT applications can be openly developed for vehicular platforms, by Thai and regional developers

INTRODUCING

CAR TALK AS A SERVICE FOR CONNECTED DRIVING





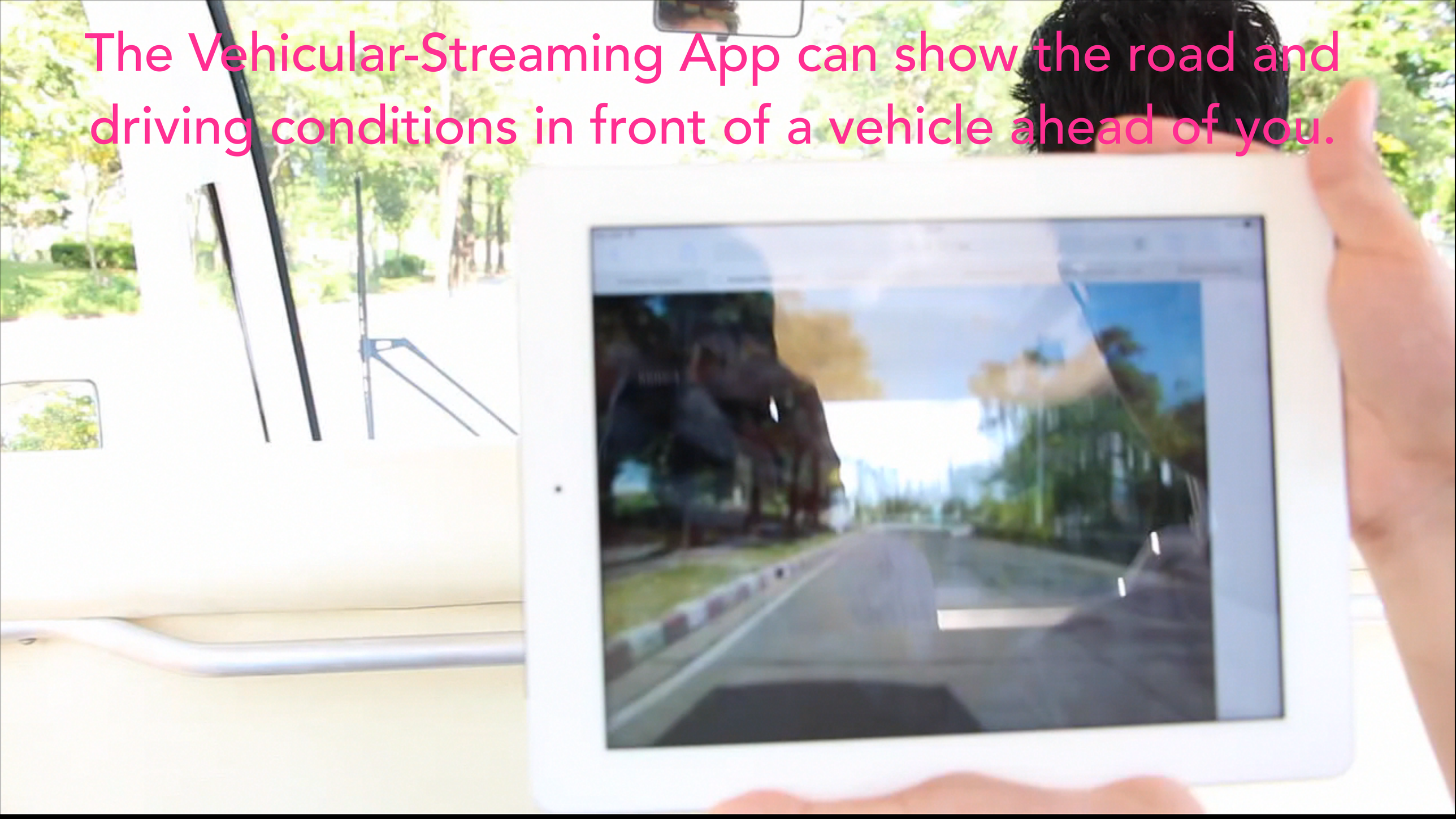
A vehicle-to-vehicle (V2V) router that can form “intranet” among vehicles.

Multiple V2V routers can be programmed to collaboratively provide “application services” among vehicles.

Deployment Concept

The V2V Incident Warning App provides near real-time warning of GPS-tagged road hazards, traffic diversions, or blockages

The Vehicular-Streaming App can show the road and driving conditions in front of a vehicle ahead of you.



The Active Traffic Light App: encourages people to stop engine while waiting at a red light.

FOR FURTHER INFORMATION ON CARTALK
PLEASE CONTACT PROJECT COORDINATOR:

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