Team KOMPAS

Traffic signs awareness assistant for driver

3.700 persons/days

are killed globally because of **accidents** !
Cited from WHO, 2016

REASONS ARE

- ✕ Ignore the road signs
- 🧪 Drink alcohol while driving
- ☹ Sleepy on long drive

Support them aware the road signs.
That need to affordable for everyone, even Developing countries!

All we need is a smart-phone with internet.

Alerts when there is an important sign ahead by **playing** a sound.
Road Data is designed as a Service, **running** on cloud.

Phone screen

📶 Viettel LTE 23:38 ⏻ 🔋 75%
🔒 kompas-cpwc.web.app

KOMPAS
Traffic signs awareness assistant for driver

To have safer driving,
Turn Kompas on when driving.

◉

Waiting for connection...
Session: **591832**

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01. Road Signs Awareness

Demo Input: UC winRoad SDK
Connect with UC winRoad driving simulation

UC-win/Road SDK

Reality Input: Real-car
Connect with car engine.

Road Signs as a Service
- Road Signs Database access through API
- Live on cloud 24/7
- Sharing real-time updates between cars

Speed limit 50 km/h
(Updating on app...)

Output: Kompas Web
Alert signs to drivers whenever need!

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02. Real-time Sharing Traffic Jam Spot

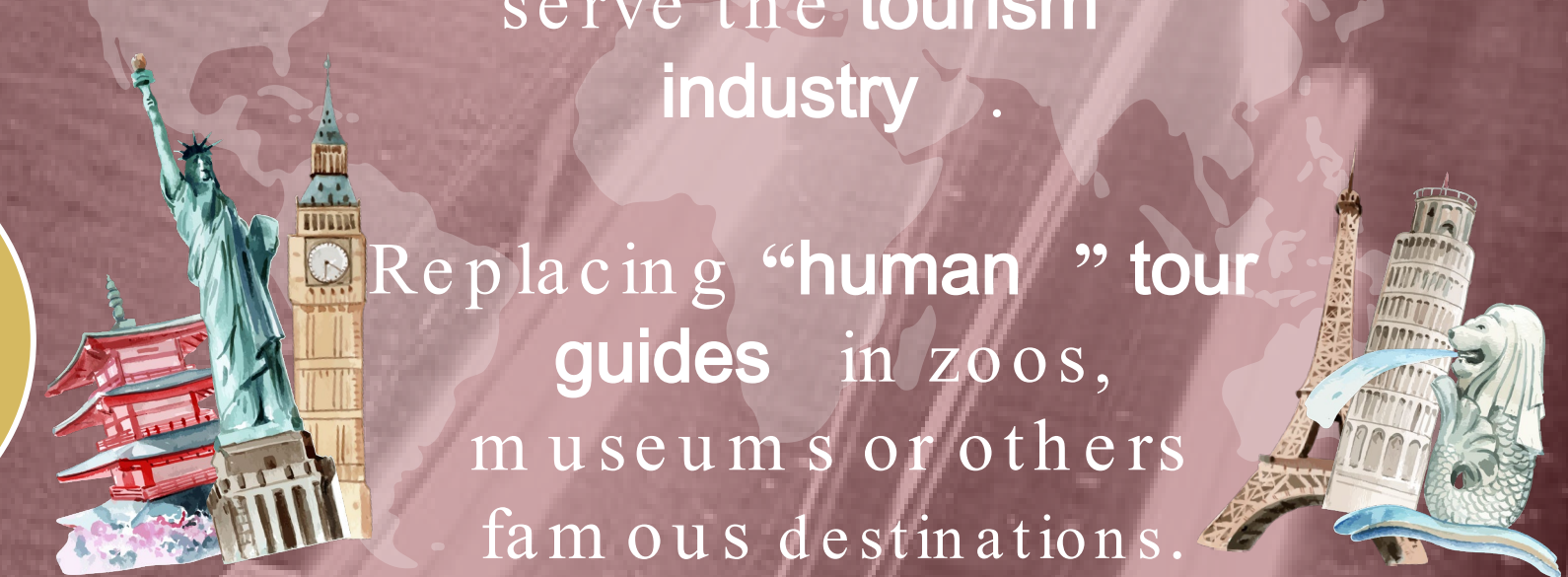*I'm having a traffic jam at 10 km on the highway 1A*

Really? Let me inform others

Thank you!

OK!

Enter traffic-jam area
(updating roadsigns database...)

In the future, we want to develop a feature to serve the **tourism industry**.

Replacing **"human" tour guides** in zoos, museums or others famous destinations.