



亞旭智慧交通解決方案 Askey Smart Transportation Solution

- 2021 Smart City

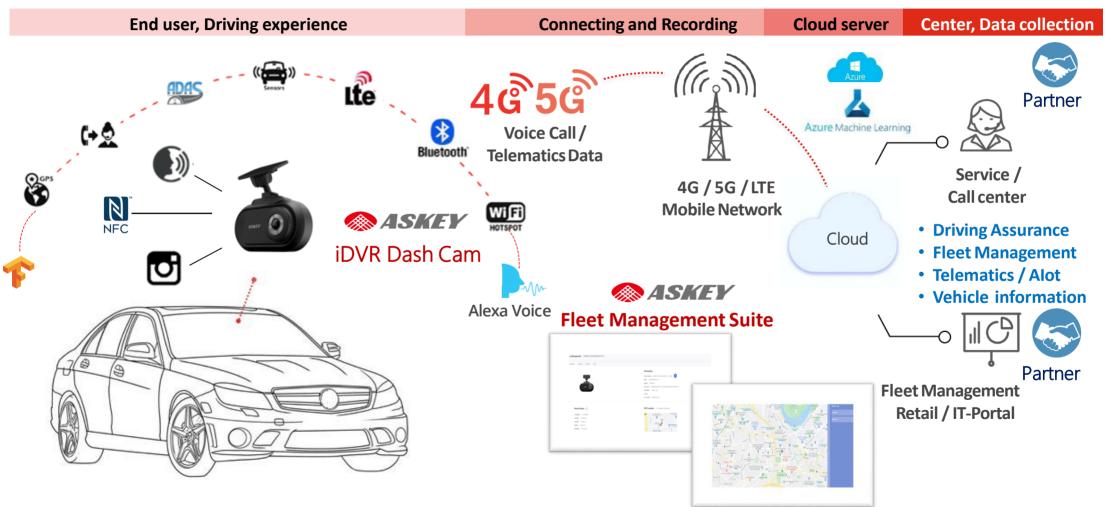
亞旭智慧交通解決方案 Askey Smart Transportation Solution

- 亞旭智慧車隊管理解決方案
 Askey iDVR Fleet Management Solution
- 亞旭智慧車聯網解決方案

Askey C-V2X Smart Transportation Solution

Askey iDVR Solution Architecture & Portfolio

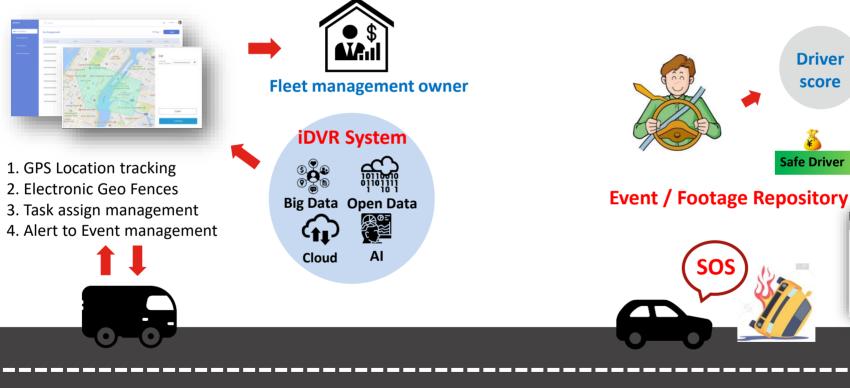
Connected Car Cam AI , IoT , Telemetry System



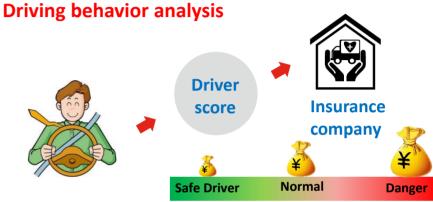
iDVR user scenario

Scenarios 1 : Manage the fleet efficiently

Fleet management system



Scenarios 2 : Provide UBI insurance data





Insurance application

Usage-Based Insurance

 Collect driver behavior to count insurance fee.(ex: Hard acceleration, hard break, hard turn..etc.

• Driver assurance service

- Advanced Driver Assistant System

Ex: FCWS(Forward collision warning system) 、 LDWS(Land departure warning system).

- Emergency event video upload real time.
- E-call service



Forward collision warning system

4G |||| [

Land departure warning system

Driver behavior analysis - 1



Lower score means dangerous

Driver behavior analysis - 2

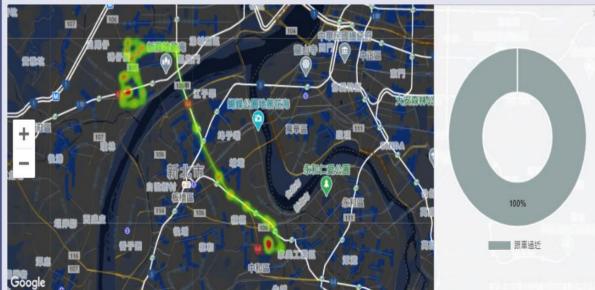


XYZ-8888 當週駕駛建議(2021/01/31~2021/02/06)

急加速風險 急煞車風險 急轉彎風險 行車時間風險 環境風險 超速風險 快速變換車道風險

環境風險駕駛建議

您本週經過風險路段27次,行經速度平均為25.77公里/小時,行車區域或行車時段存在高風險,請將行車速度保持於安全限速內, 並注意周遭車輛與環境變化。



Askey Smart Transportation Solution

Make The Driving Safer, Smarter and Always Connected

- Real-time Traveler Information
- Smart Traffic Light Solution
- Autonomous IV&V Solution

V2X Use Cases – RWW, FCW & SVW

• Road Work Warming / Forward Collision Warning



• Signal Violation Warning





Public Transport Data eXchange, PTX

V2I Use Cases – Traffic Light Status & GLOSA

• Traffic Light Status





• GLOSA (Green Light Optimal Speed Advisor)

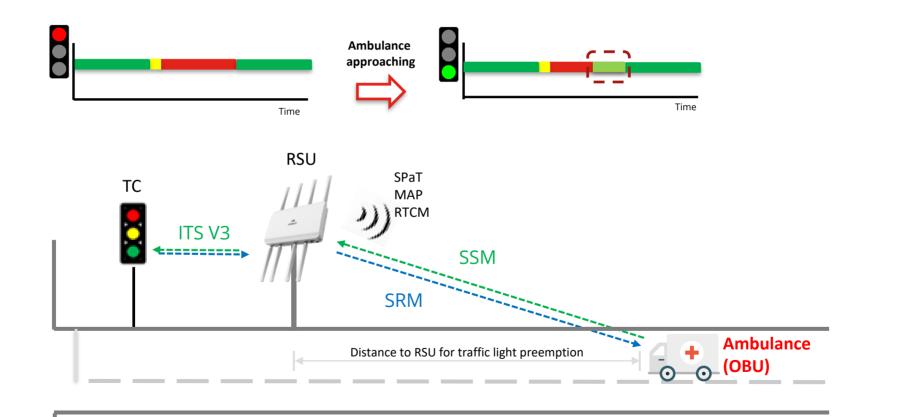






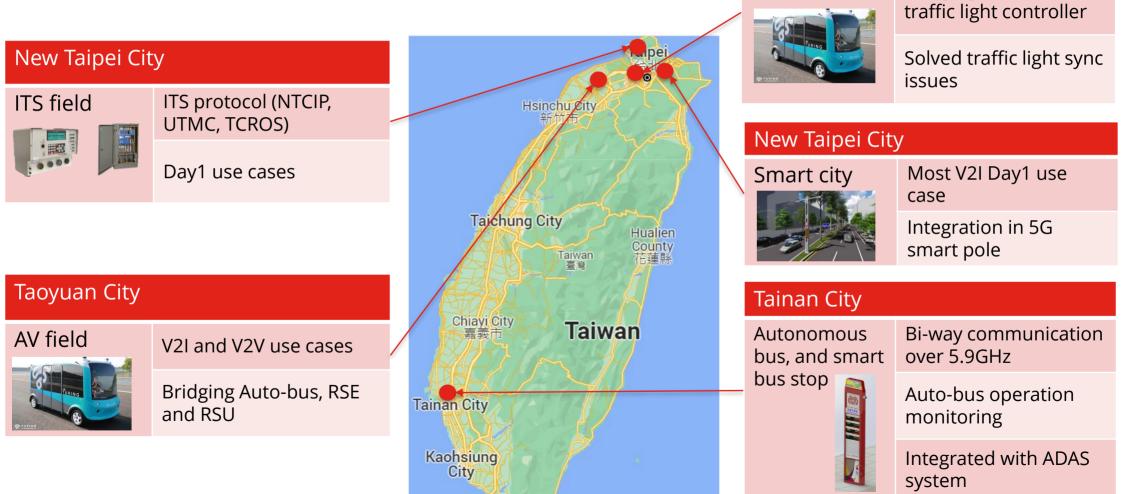
V2I Use Case- Traffic Light Priority

• Traffic Light Priority



V2X Field Experiences in Taiwan

Overview of field trials in Taiwan: location and key feature



Taipei City

AV field

Bridging Auto-bus and

Bridging Auto-bus and traffic light controller

Taipei city: 4 intersections



V2I

 RSU provides real-time traffic light status to OBU via 5.9GHz · Vehicle PC will do sensor fusion with other sensors •

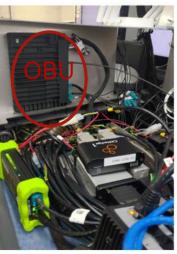
5G Router

• OBU provides 5G router and RTK features, to improve precise location and data upload to back end



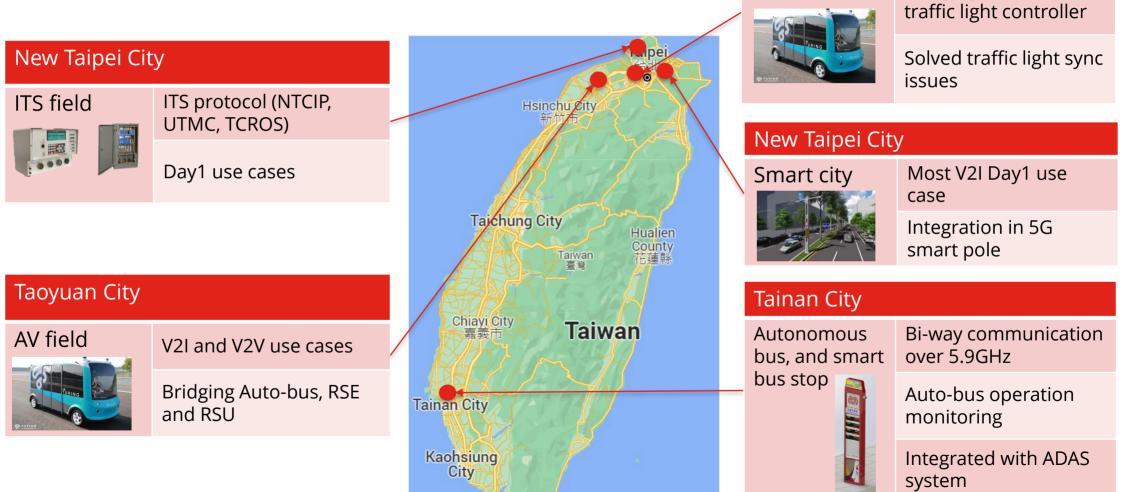






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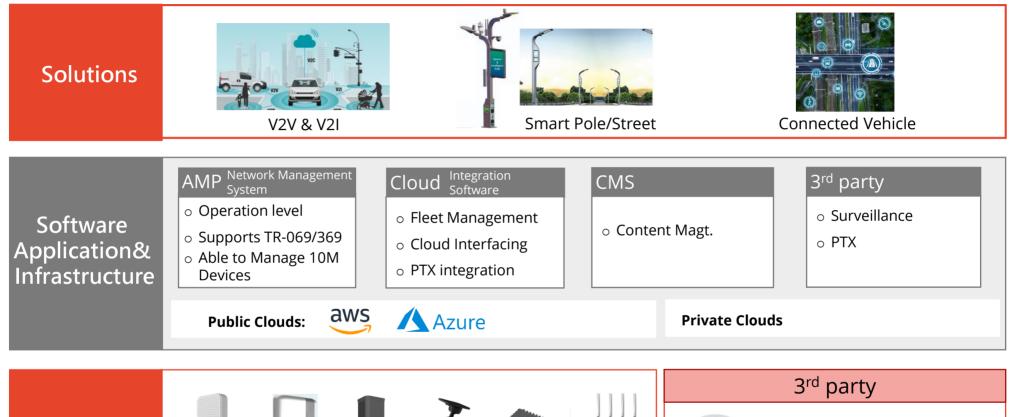


Taipei City

AV field

Bridging Auto-bus and

Askey Smart Transportation Solutions







Manufacturing Experiences. Since 1989.