



虎頭山創新園區
Hutoushan Innovation Hub

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This innovation hub is operated by **Kingwaytek Technology Co.,Ltd.**
Kingwaytek is also the biggest HD Map and telematics service provider in Taiwan.

 桃園市虎頭山創新園區



Organizer: Department of Economic Development Taoyuan
Co-organiser: Kingwaytek Technology Co.,Ltd



虎頭山創新園區
Hutoushan Innovation Hub

Self-driving Vehicles Training and Developing Center

Taoyuan, Taiwan

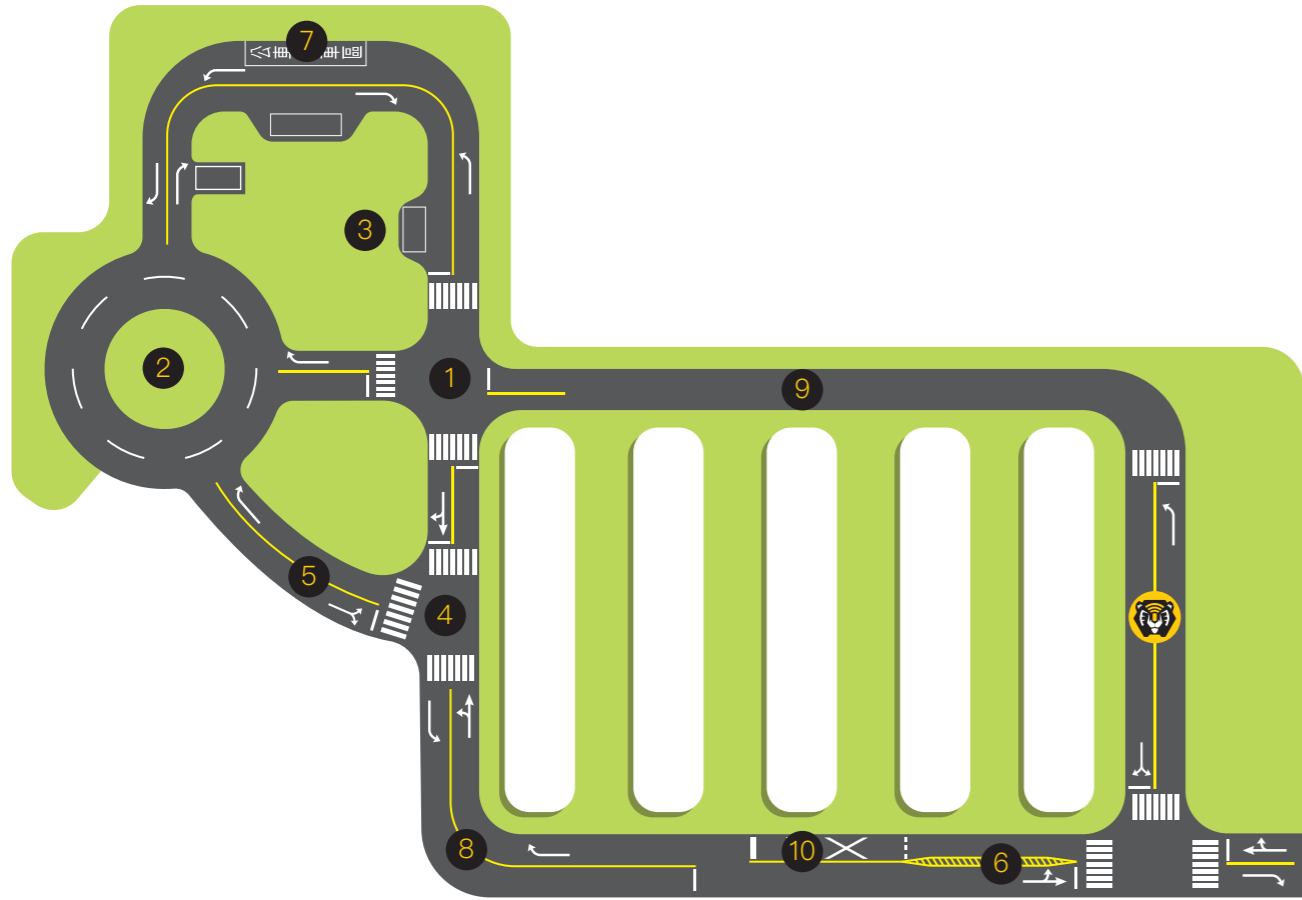
Autonomous driving is a booming trend. Taoyuan City connects software industry in Taipei and IC hardware design in HsinChu to promote smart driving industry in Taiwan.

Hutoushan innovation Hub includes connected and smart driving center and also IoT security center. It provides a full-functioning environment for automated vehicles related industry cooperation and development here.

Taoyuan owns the most automotive electronics, automated vehicle, automotive power manufacturers. Taiwan is the key connecting hub and center of East Asia. We will continue to be innovative and be creative in smart transportation industry.



Our Testing Area Provides different kinds traffic situations for self-driving cars



City Road



1 Crossroad/Pedestrian Crossing 2 Roundabout 3 Parking Lot

Rural Road



4 T-junction 5 Curve Road 6 Lane Reduction

Special Road



7 Bus Bay 8 Green Shade 9 Complex Signal Simulation 10 Railroad Grade Crossing

Our innovation hub provides following service for Autonomous car developing and testing.

- HD Map: Customized HD map for self-driving car to distinguish the traffic signs.
- Supercomputer: Provide NVIDIA supercomputer to do massive AI operation and deep learning.
- Self-driving Training Simulator: Provide UC-Win/Road and CarSIM realtime simulator for self-driving behavior training. We provide few kinds of scenario including highway, complex road, rural road and also customized ones.
- Testing Area: Provide a complete and closed testing area for autonomous car training.
- IoV connection: We provide V2X connection with intelligent street lamps and connected cameras.
- 6 meter autonomous bus: We open the CAN bus interface for developing.

Our Services



Testing Area
10 traffic situations testing area.



Intelligent street lamp
Install IOT roadside facility and provide V2X connection for verification.



HD Map
High precision 3D base map for self-driving cars and automated driving.



Supercomputer
For AI massive operation and machine learning.



Training Simulator
Provides few kinds scenario for self-driving algorithms training.



6 meter bus for rent
Open CAN bus API for developing and change components for verification.



Restore Room
For autonomous car fixing and restore.



ARTC
Corporate with ARTC in completed vehicles and components test which are nationally approved.