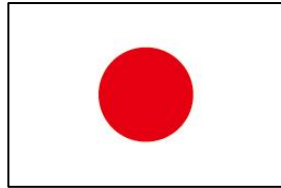


Low-cost autonomous vehicle with dual antenna GNSS system



Asia Technology Industry

Asia Technology Industry Co.,Ltd

Company registration : February 28, 2017

Capital : 5 million baht

Number of employees: 10

- Bangkok office

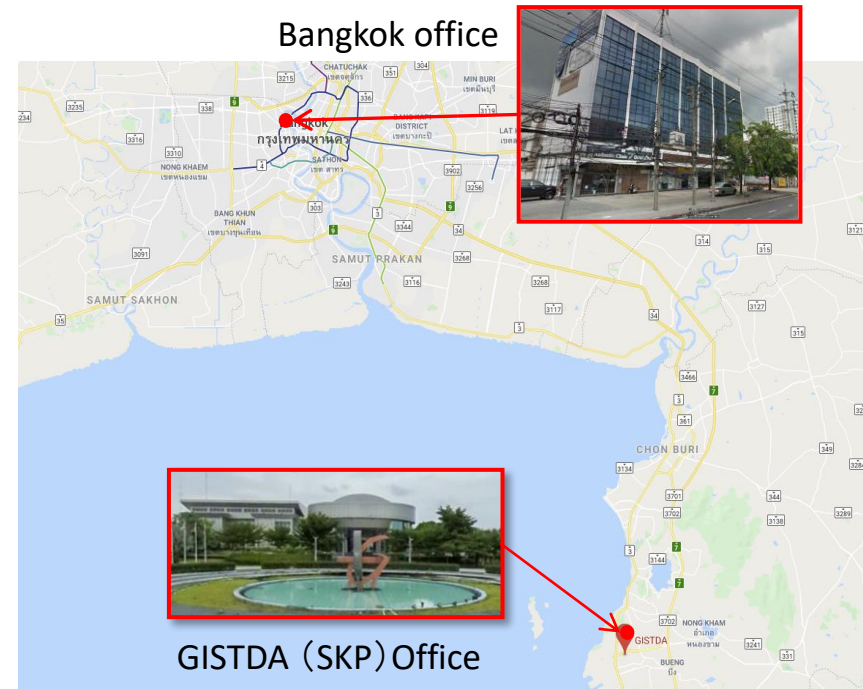
2 T. Yongkiat BldgBaromrajaonani Rd Bangbumru

Bangplad Bangkok 10700

- GISTDA (SKP) office

Thung Sukhla, Si Racha District, Chon Buri 20230

Web <https://www.ati.co.th>



Profile

As an experienced engineer in the design of new generation systems, we are well versed in the design and numerical analysis of low frequency, high frequency, analog and digital circuits. We can assist you in designing and developing a system that best meets your requirements, from development to manufacturing and supply. We can also help you to solve your current problems. We are currently working with a university on a project for micro EV autonomous driving using high precision satellite positioning. I've been in charge of the world's first 100 km/h automated driving system 30 years ago when I was at Honda, and the person in charge at that time developed the world's first real-time in-car image processing system with originally technology and contributed greatly to the realization of autonomous driving.

Concept of Intelligent Driving System



Luxury car, expensive
High-speed cruise 100km/h



Ultra-small, low cost
Maximum speed 30 km/h



Highway



Town road



Rich and busy people



People who need help



Passing lane



Exclusive lane



Long-distance driving



Short distance to the station

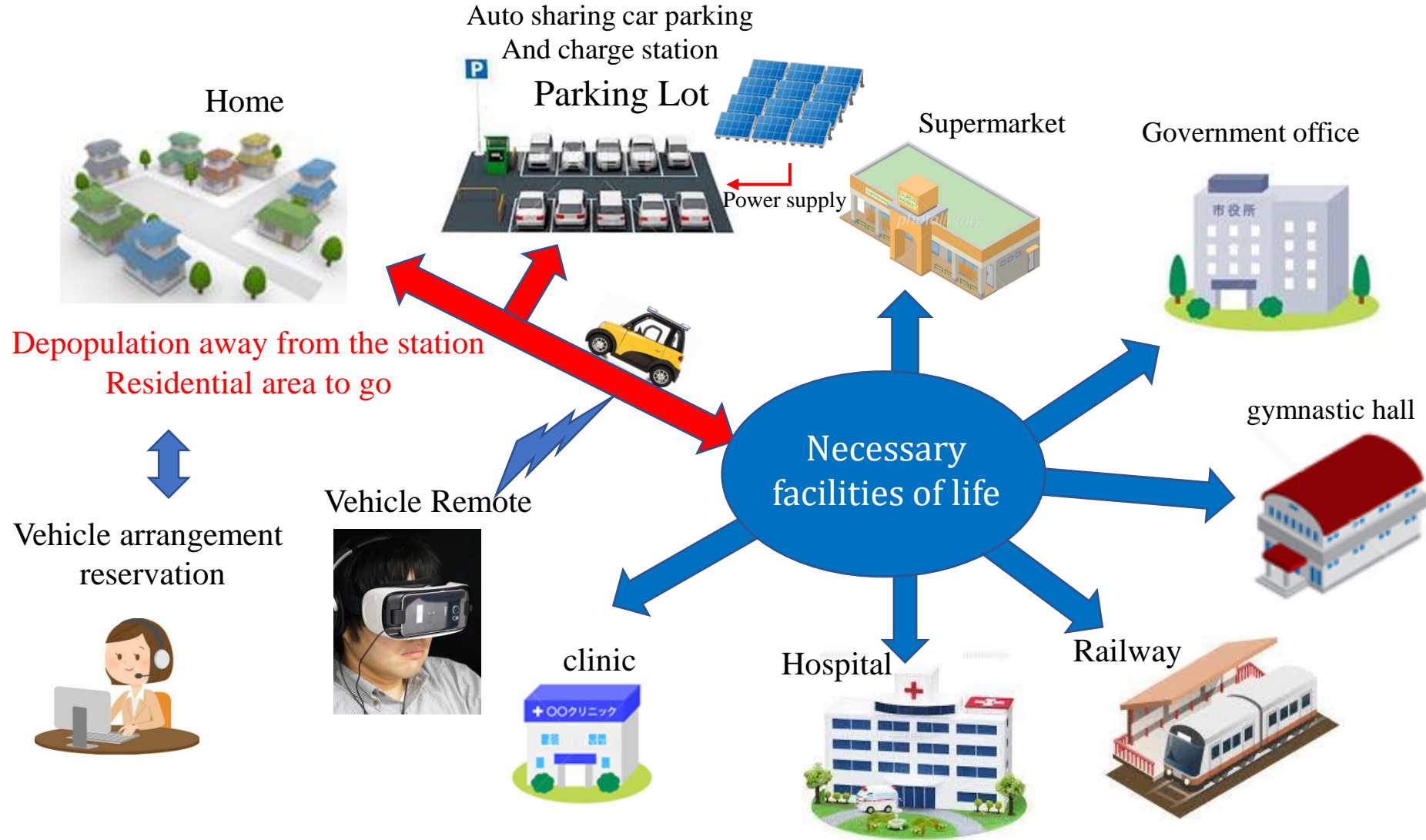


Snow



Heavy rain

uses Google MAP



Provide the minimum scale of services necessary for residents' lives

Autonomous driving vehicles of other companies

- Can drive on general roads and highways



- luxury car

- Autonomous driving using 3D LiDAR and 3D map
- Autonomous driving on city roads and highways
- Equipped with many sensors such as Li-DAR and camera



Expensive

ATI's autonomous driving

- Can be used on narrow roads in all weather



- MicroEV

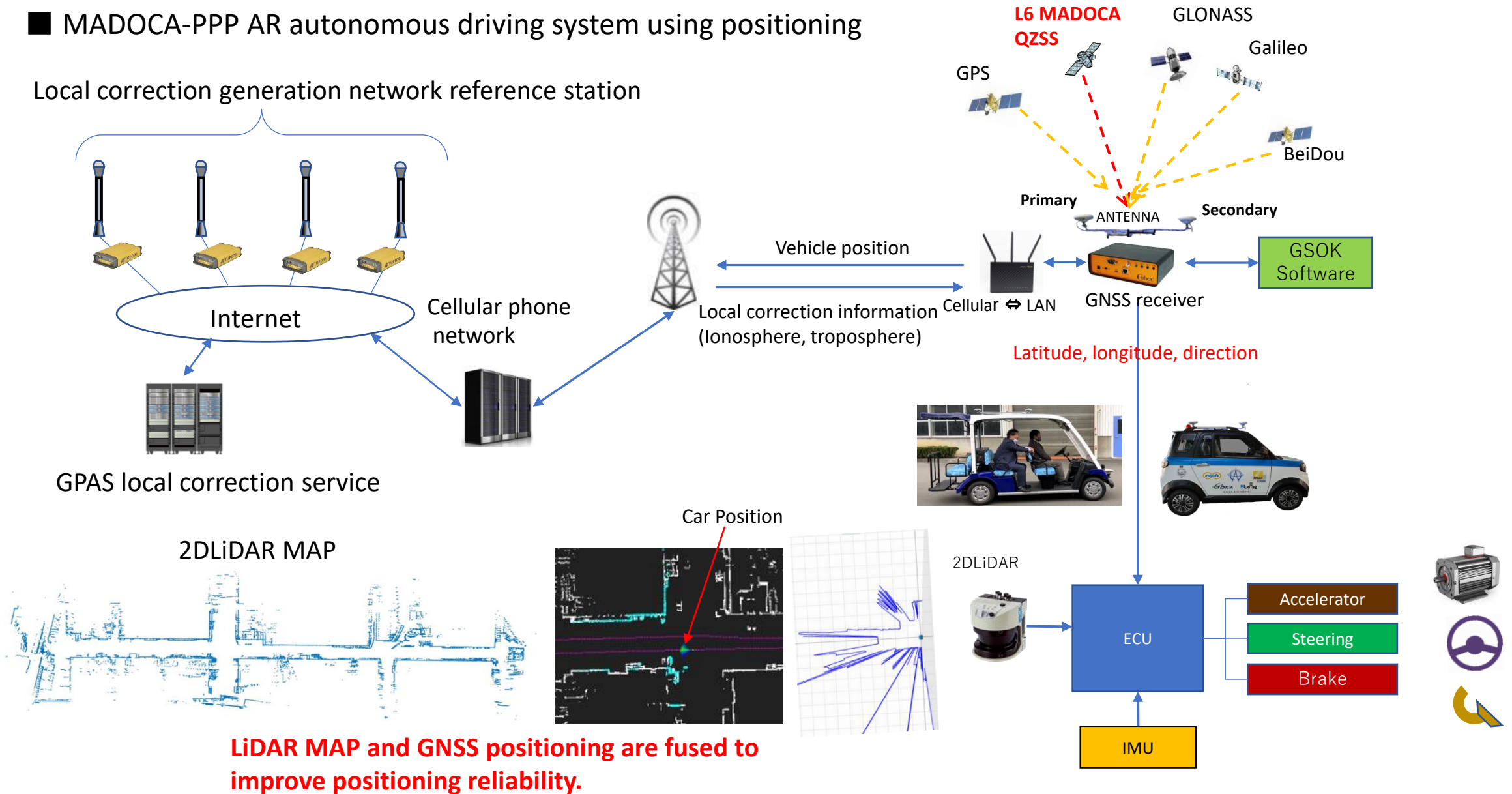
- Control using GPS and high-precision maps
- Driving on a fixed road at a slow speed with a small vehicle
- Equipped with satellite positioning and obstacle detection sensor



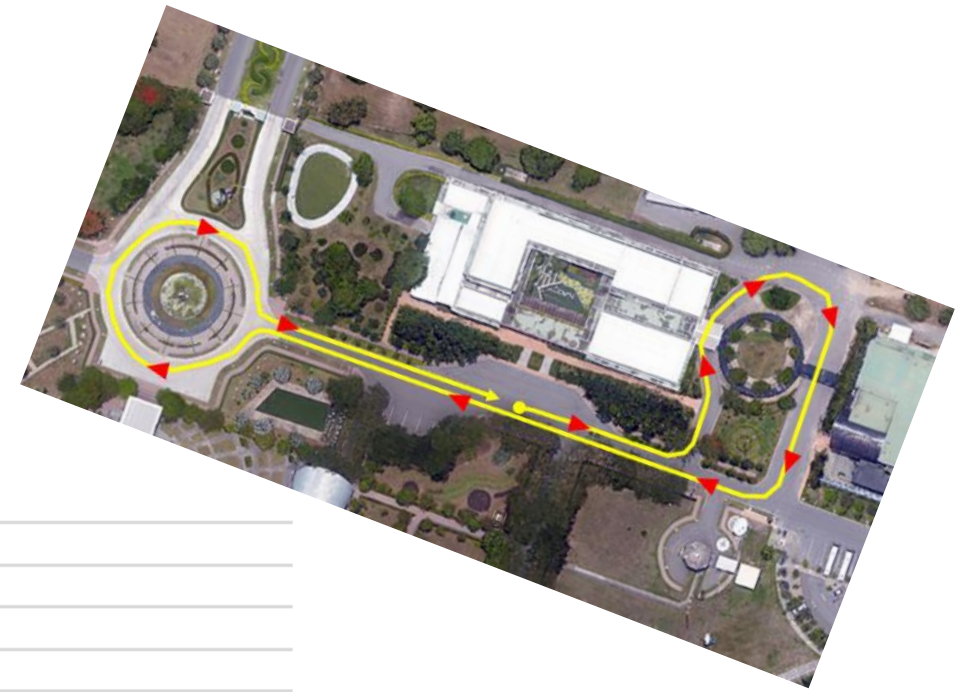
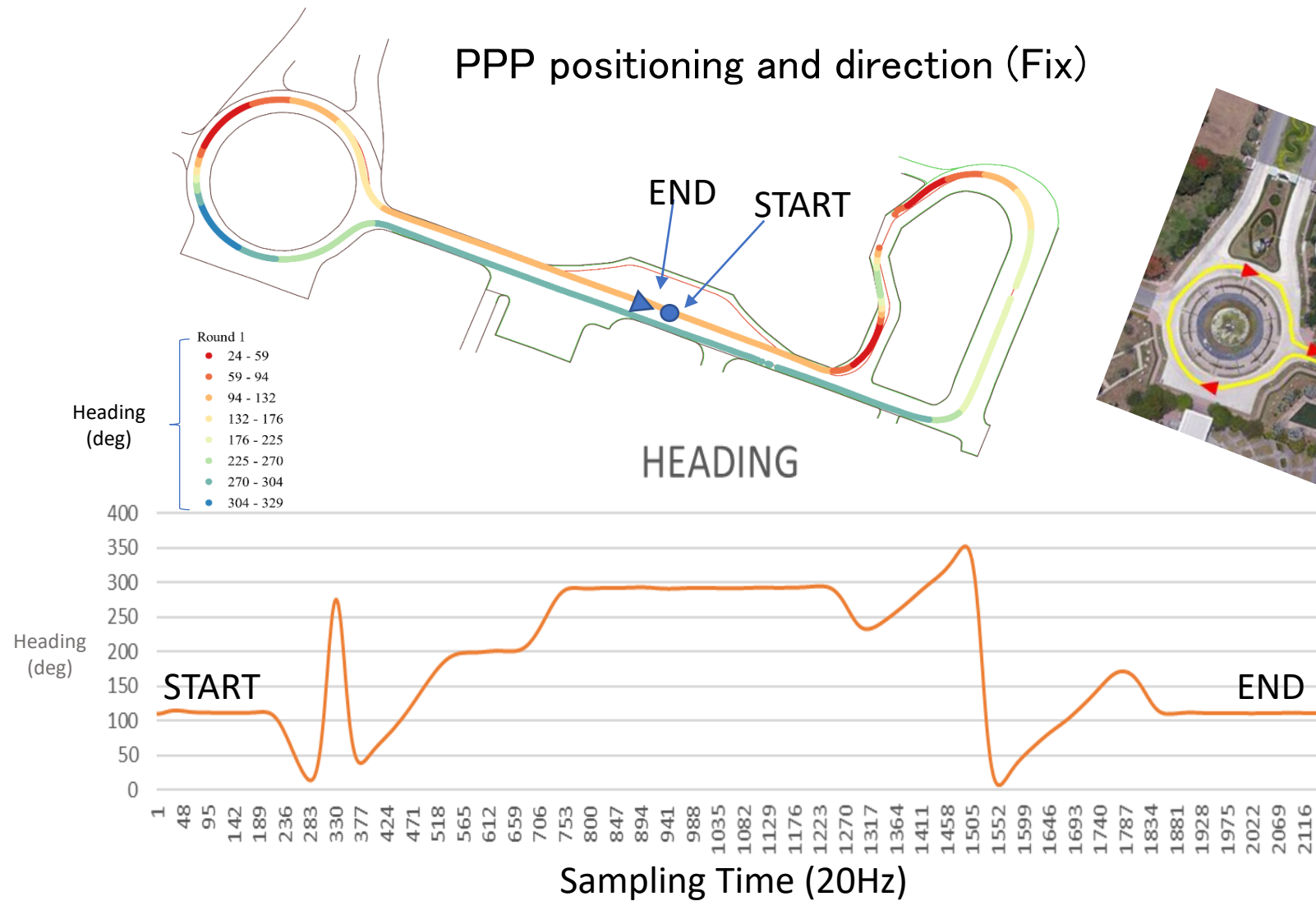
Low price

MADOCA-PPP AR autonomous driving system using positioning

Local correction generation network reference station



PPP positioning and direction (Fix)



Receiver uses Magellan

Two GNSS receivers and algorithms can provide the correct orientation even in harsh environments

Technology



Small EV



ATI

Micro EV



FOMM

Shuttle EV



ATI

Our autonomous driving technology is diverse and can be adapted to many vehicles

Unmanned delivery



Nuro web site

Transport vehicle in the factory



YANMAHA web site

Farm field

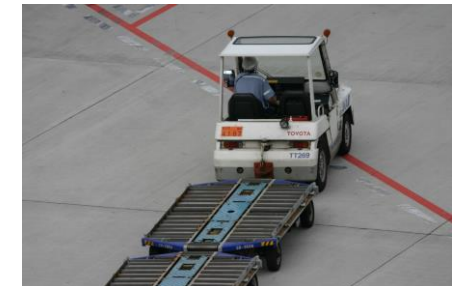


Massey Ferguson web site

Automate the transportation of luggage and passengers on arrival and departure flights at the airport



Air Asia Web site



Web site

- For suburban new towns and smart cities that are becoming more and more aging and isolated, use low-speed Micro EV vehicles that drive autonomously (level 4) to get to the facilities you need at any time at a low cost, door to door. We aim to use micro EV autonomous vehicle technology.
- It was confirmed that stable automatic driving is possible without being affected by temporary deterioration of satellite positioning accuracy by using high-precision position information and direction on the determined driving route.
- As a mean of transportation for elderly people who have difficulty driving a car, we will provide low-speed autonomous driving MicroEV vehicles that can be used at low-speed, environmentally friendly and inexpensive rates for aging society governments and smart cities.



ご清聴ありがとうございます
Thank You