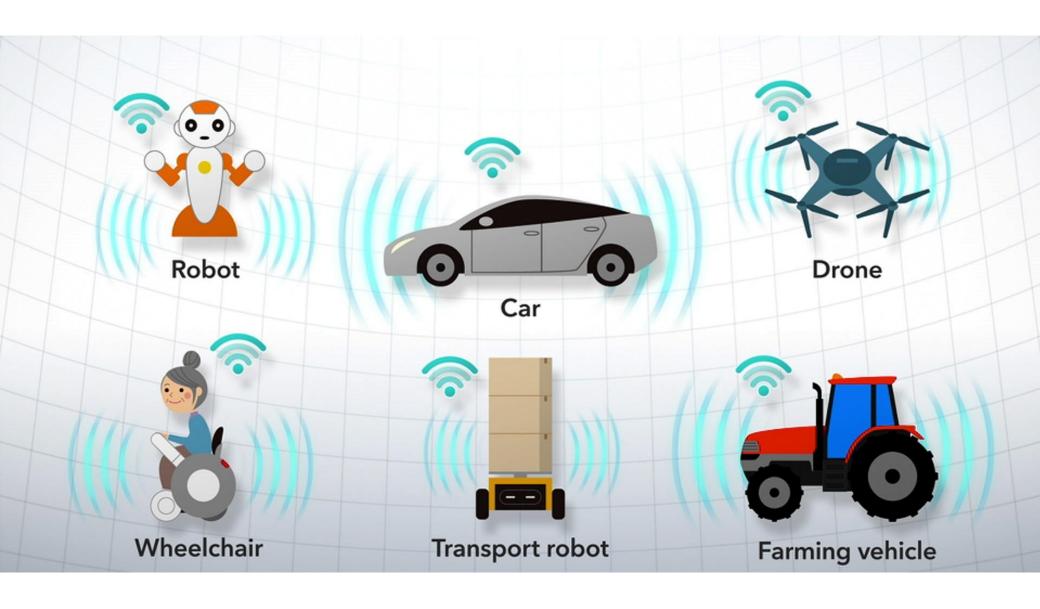
R&D Project for Huge Number of Autonomous Mobility Units

Hiroyuki Tanaka

NTT Network Innovation Laboratories

- What is an Autonomous Mobility Unit ?-



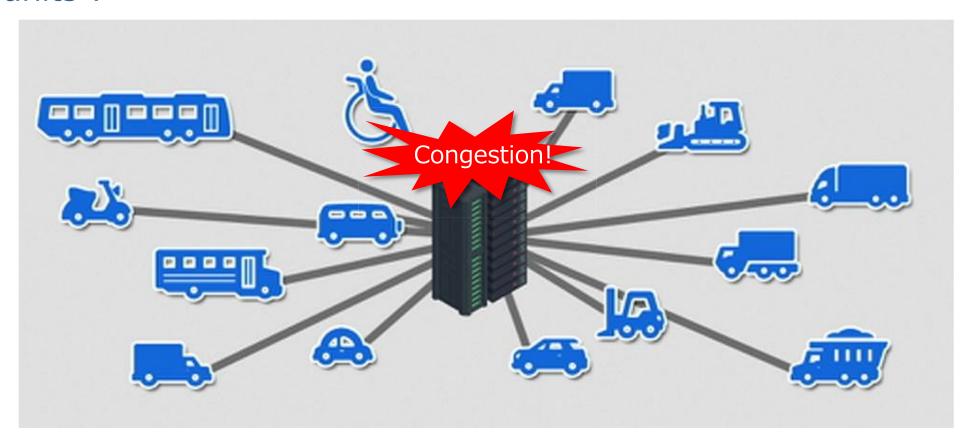
To build an Autonomous Mobility System -

Mobility units keep track of the latest and accurate surroundings using sensors and telecommunication.



- Challenges-

How to operate the requests from a huge number of mobility units ?



Research Scopes –

1. Platform for stable communication

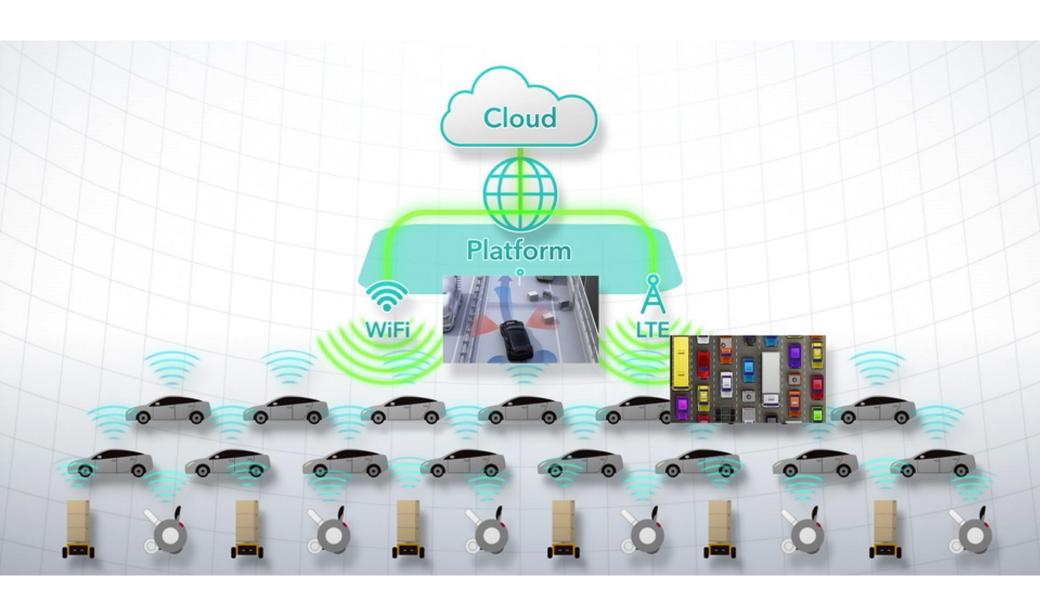
Autonomous mobility system platform

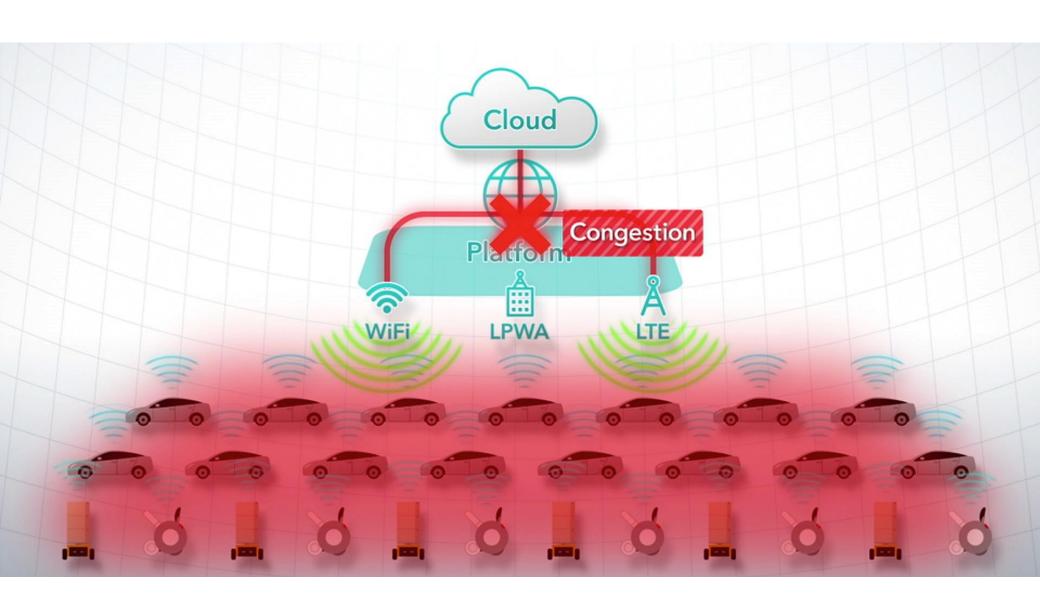
2. Mechanism for the efficient delivery of the information

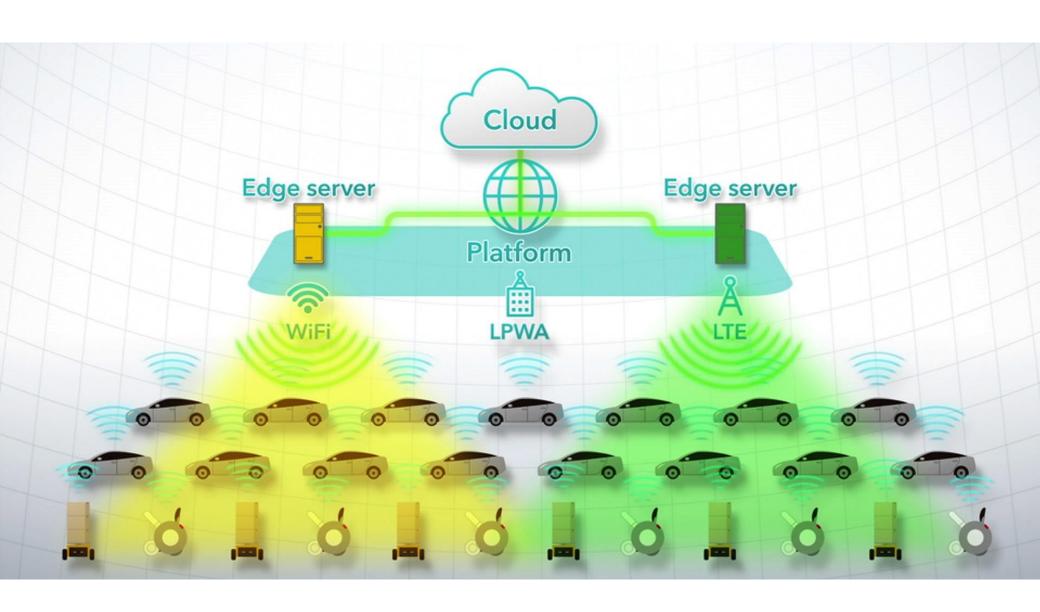
Delivery of a dynamic map

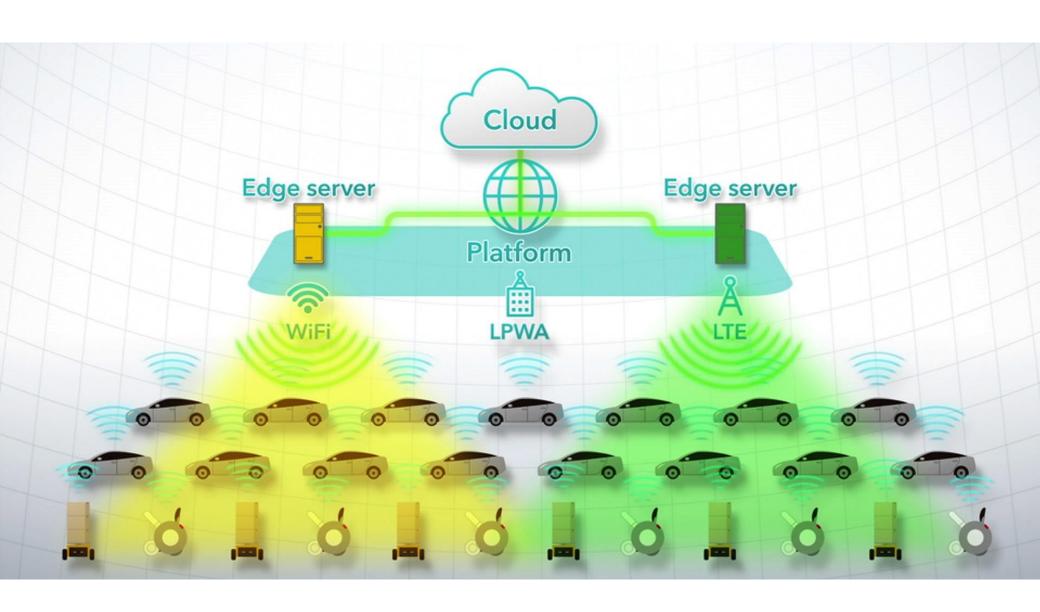
3. Mechanism for accurate and appropriate information delivery

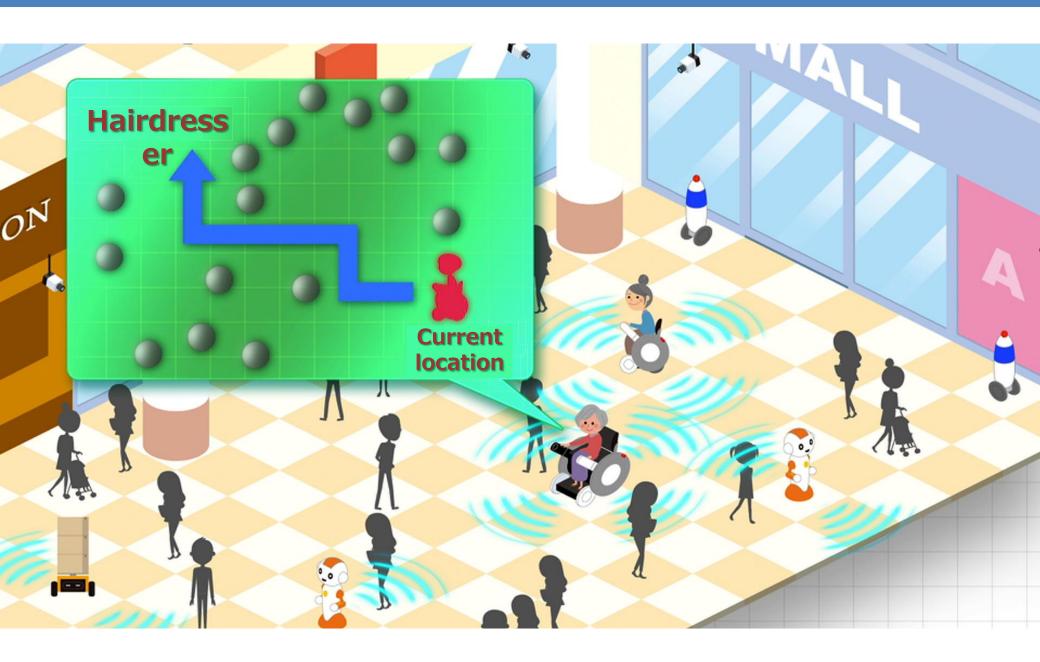




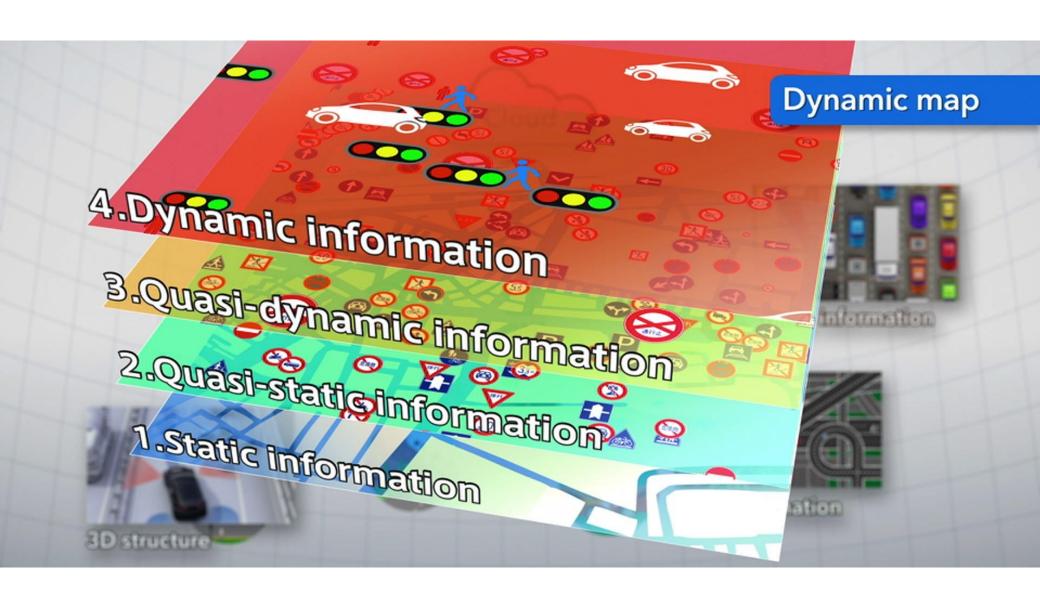




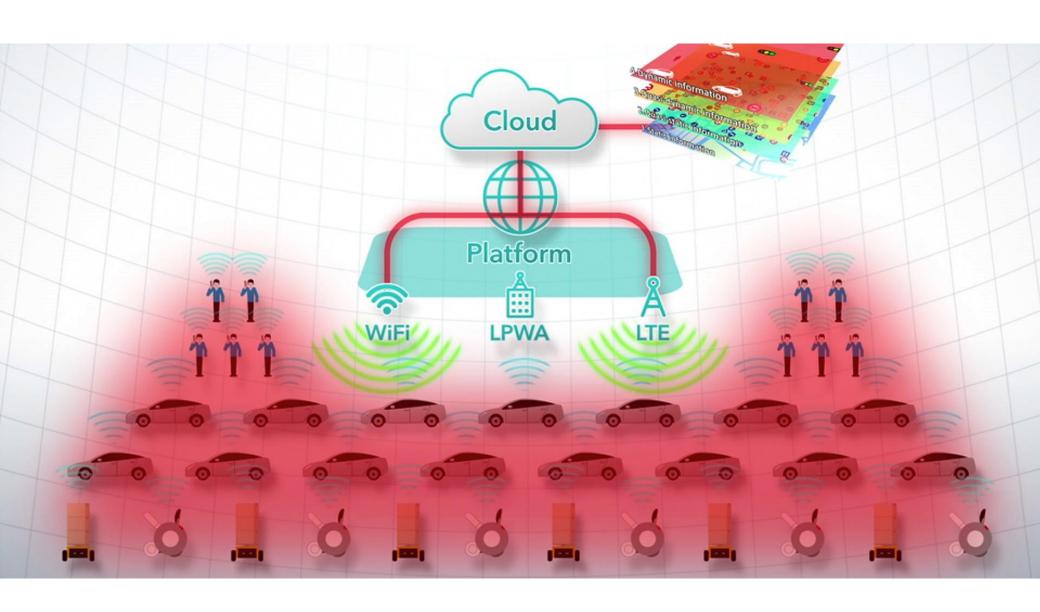


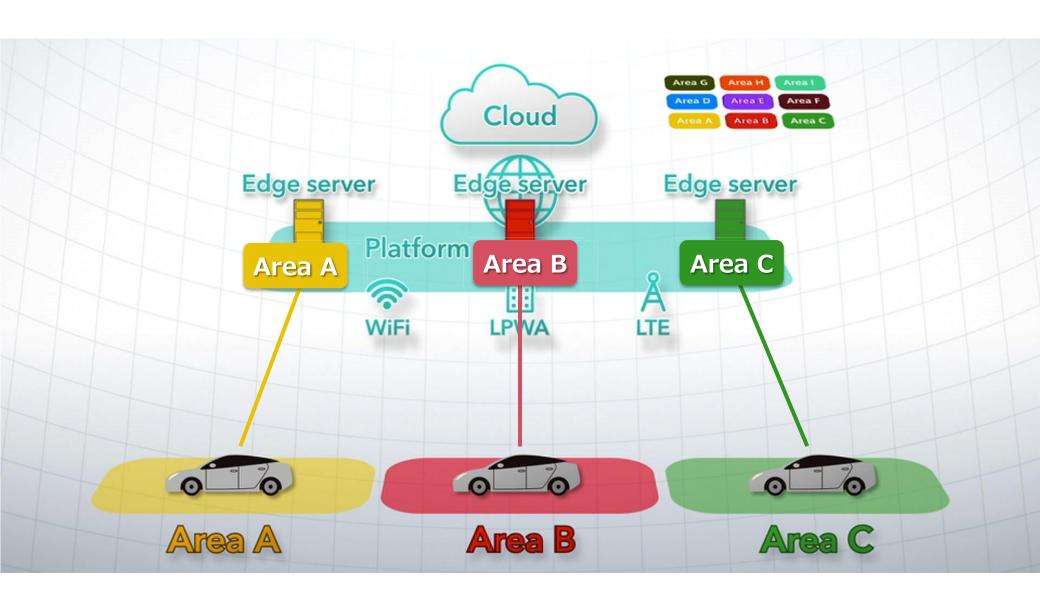


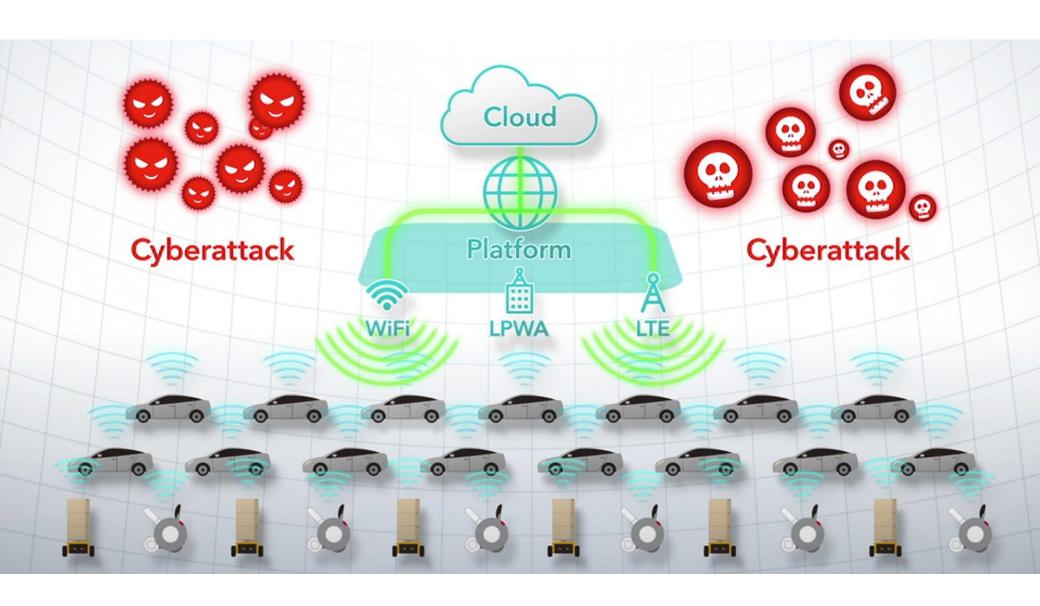


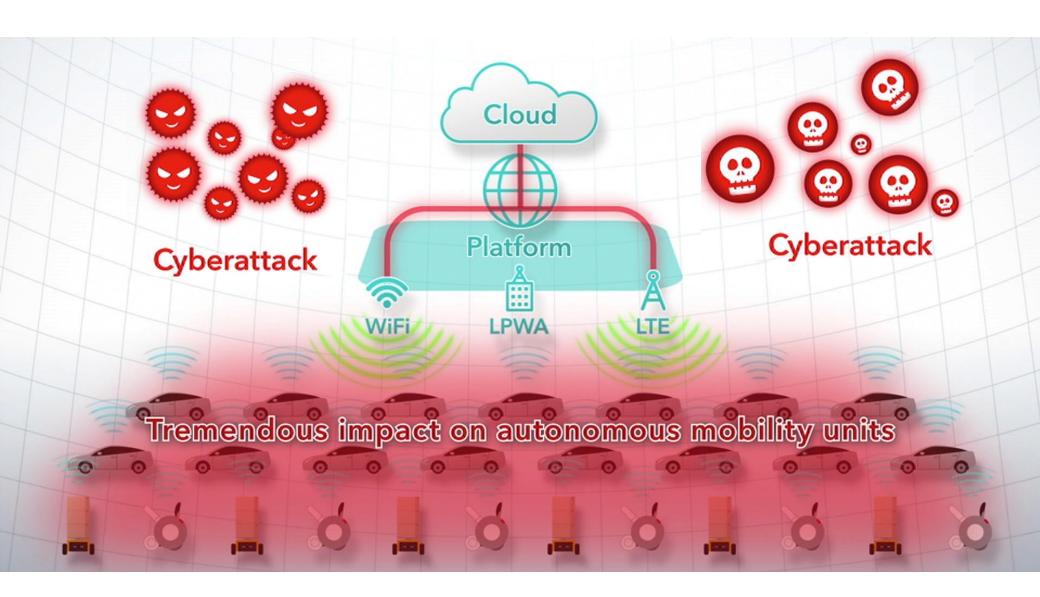


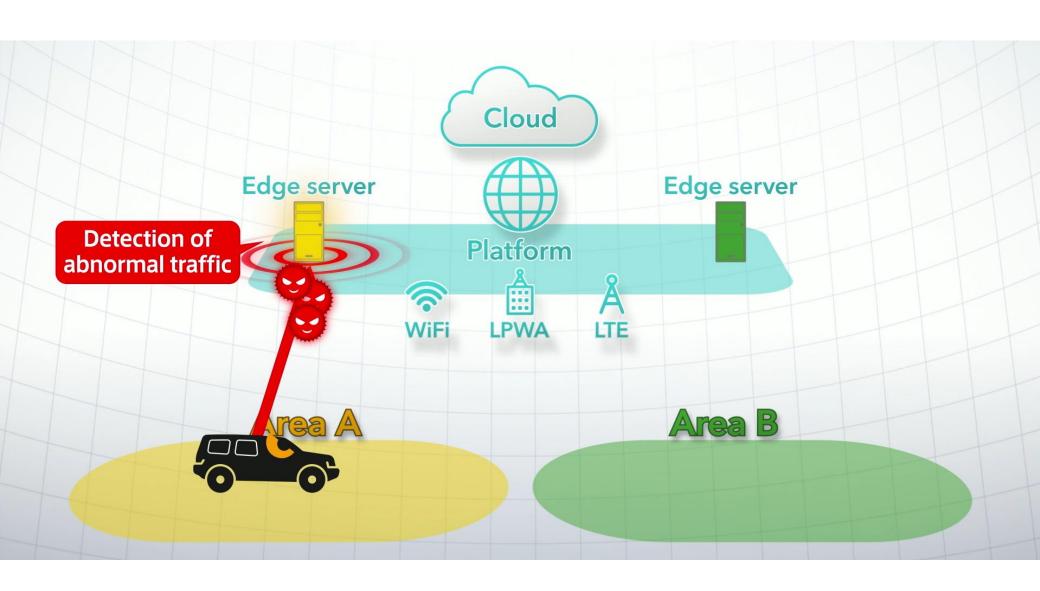


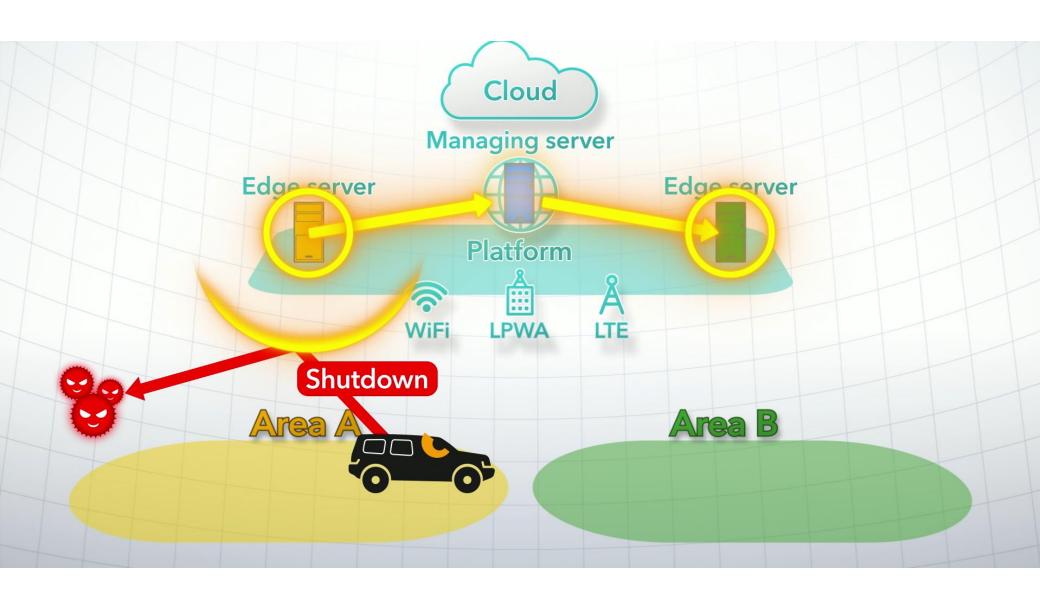


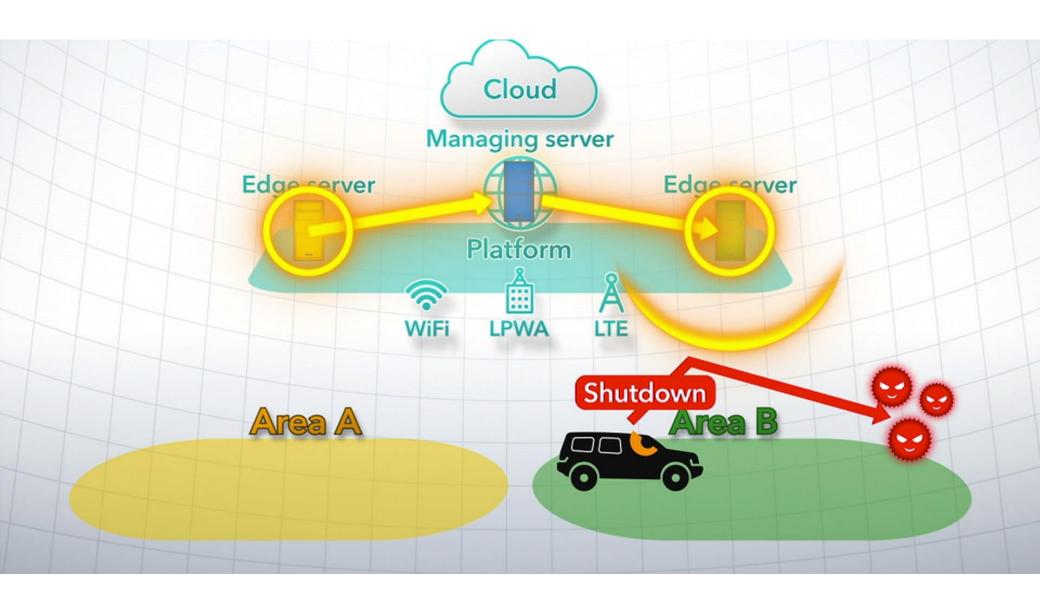






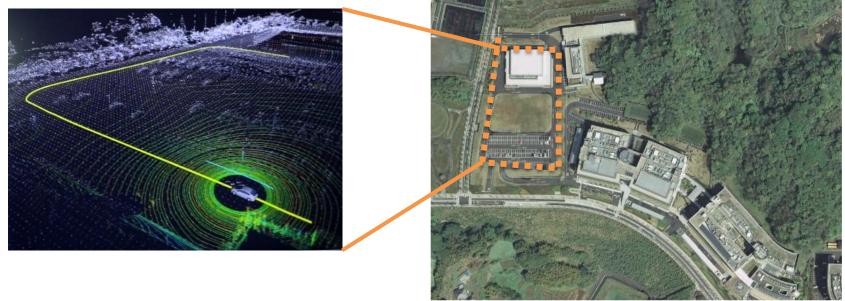




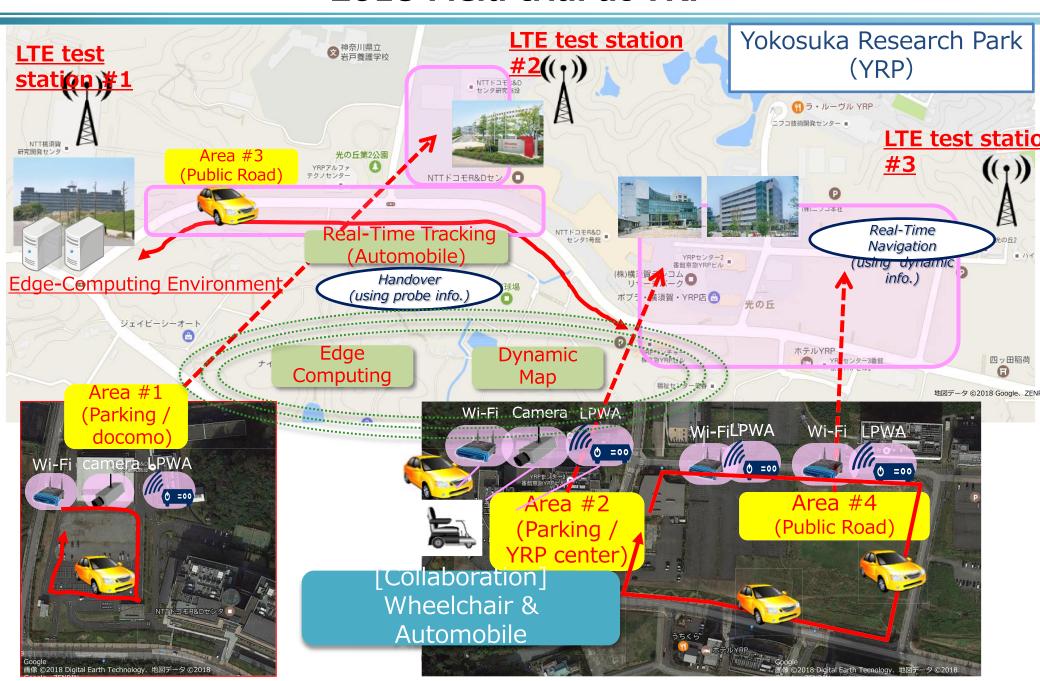


- Demonstration at YRP (Oct. 11, 2017)





- 2018 Field trial at YRP -



Research and Development of Technology for the Efficient Use of Frequenciesin Various Situations to Support a Huge Number of Autonomous Mobility Units

Nippon Telegraph and Telephone Corporation

NTT Advanced Technology Corporation

Advanced Telecommunications Research Institute International

Panasonic Corporation

NTT DOCOMO, Inc.

National Institute of Information and Communications Technology

PASCO Corporation

Hitachi, Ltd.

Trial period Fiscal 2017 to fiscal 2018