Next Generation Transport

Smart Mobility Service by ART Information Systems

ART Information Center

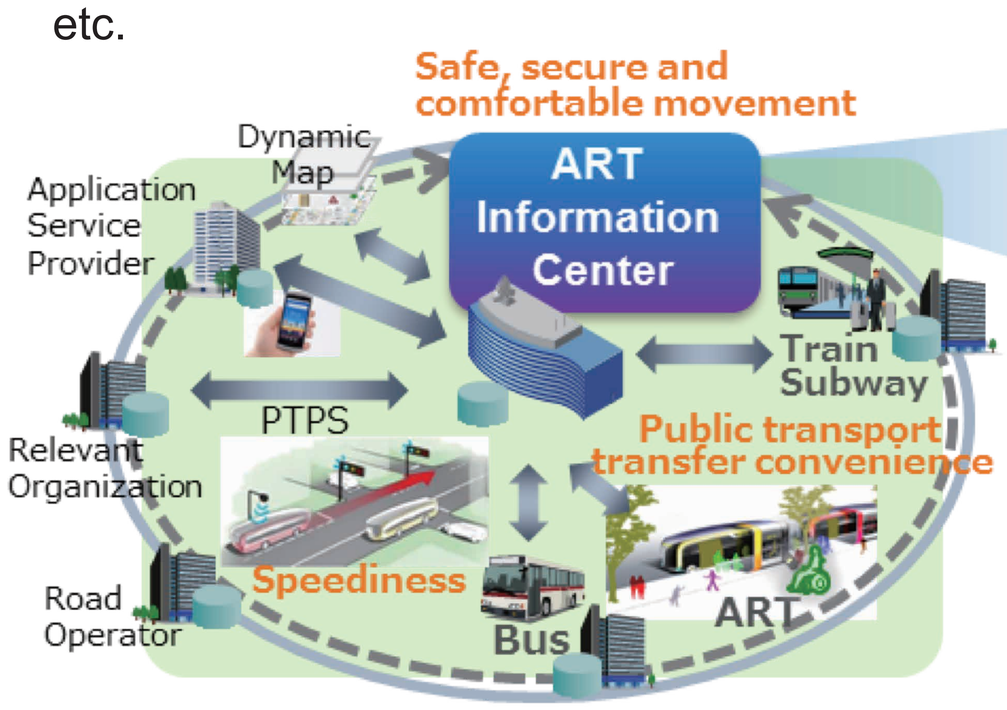
The center works as an open platform for collecting, storing, processing and utilizing the traffic-related data.

►Functions evaluated in verification experiment

✓Advanced PTPS priority mediation

✓Provision of information for bus user

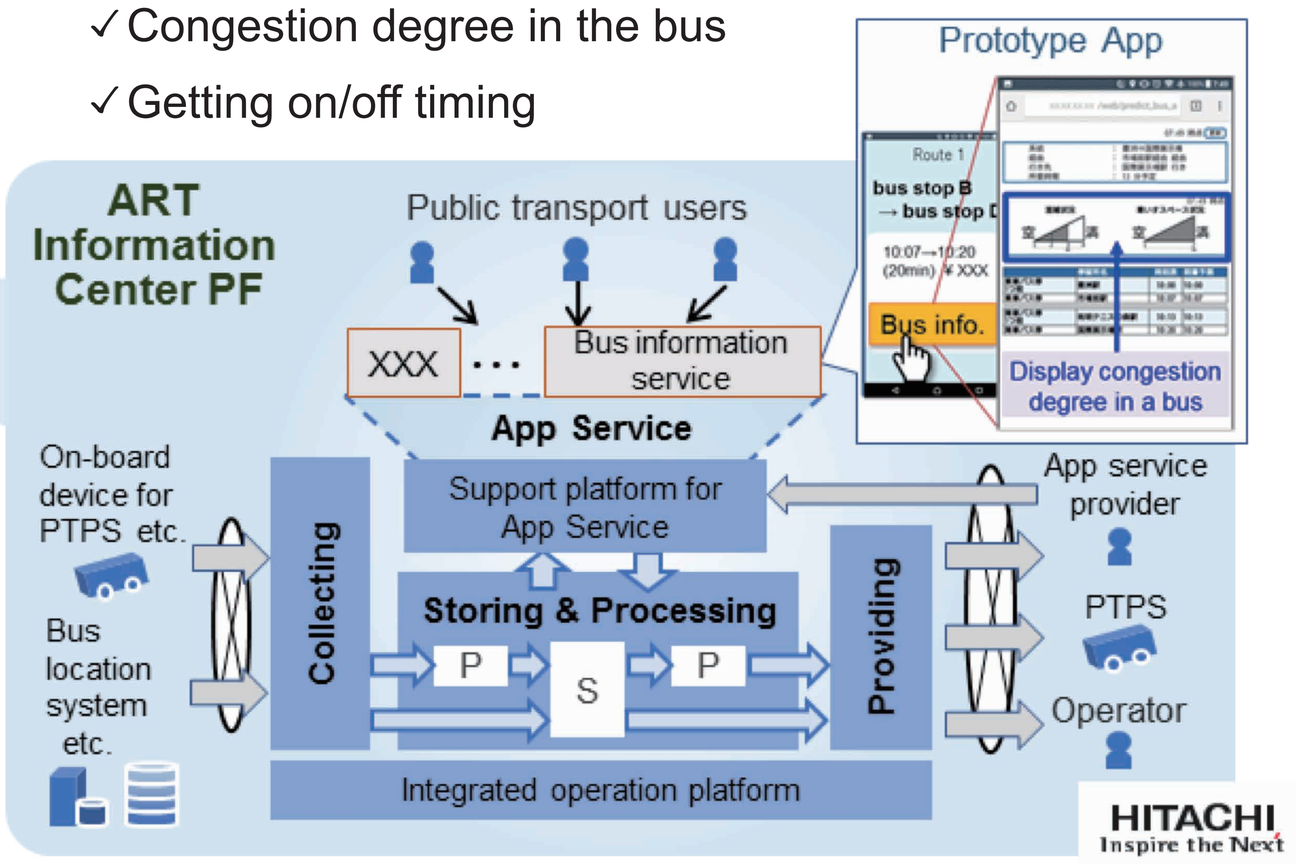
etc.



►Bus information provision service (example of App)

✓Congestion degree in the bus

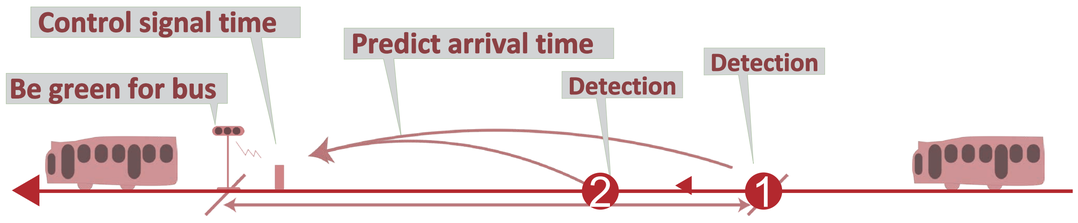
✓Getting on/off timing



Verification on the speediness of ART by Advanced PTPS (Public Transportation Priority Systems)

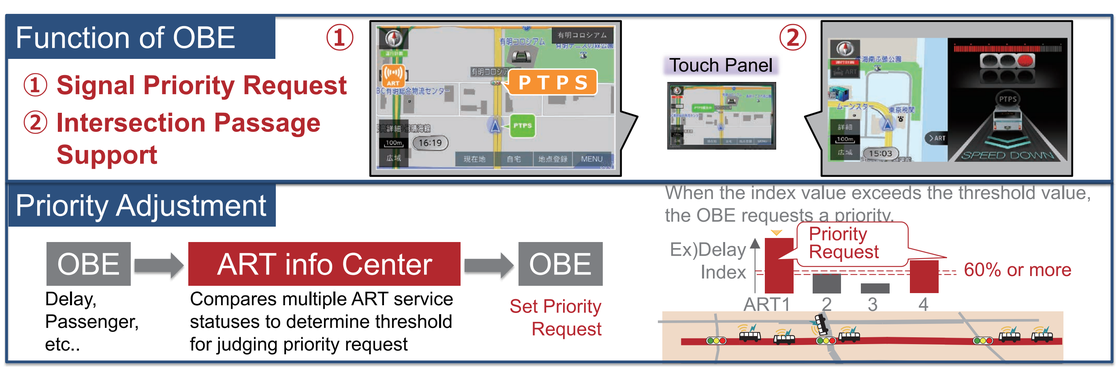
►Advanced PTPS can control traffic signal time flexibly as the situation demands using 760MHz band.

✓**Detecting twice and communicating with driver**



Advanced PTPS detects approaching ART twice at an intersection and decides to extend green time, to shorten red time or to keep same signal time. Then, the system sends the information of the traffic signal to the ART driver.

Features of two functions



Pacific Consultants

Forecasting Traffic Congestion and Guiding to Avoid Congestion

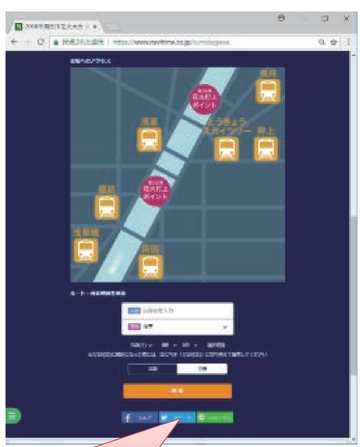
Field operational test - firework festival

●Numbers of hourly visitors of firework festival (passengers using train station near the firework venue) were forecasted using the results of traffic simulator and historical data of route searching results.

●Traffic information for firework festival visitors were provided as follows:

Blog article to guide to avoid congestion

Forecasting number of hourly visitors



Guiding to other stations

Sources: Yahoo! Japan, NAVITIME Japan