![HKS logo]

Press Release

HKS develops "safety monitoring device for shuttle buses" and begins demonstration tests
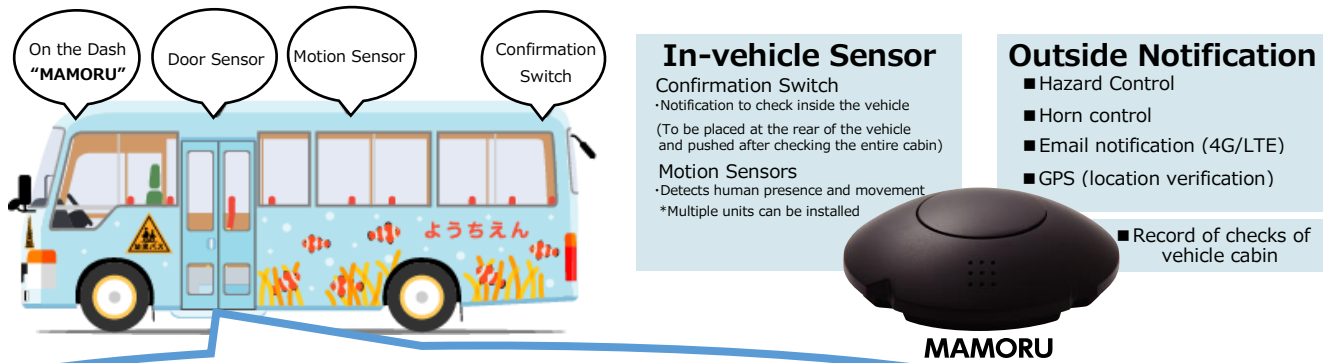
Providing a reliable service with "one-time confirmation" and "recording" for emergencies.

HKS Co., Ltd. (headquarters: Fujinomiya, Shizuoka, Japan President: Daisuke Mizuguchi) has developed "Shuttle Bus Safe Observation Device Service MAMORU (tentative name)" and "HBAS-DR1 ROKUGA (tentative name)" using in-vehicle IoT devices to check the whereabouts of passengers when they get on and off the shuttle bus and to prevent them from being left behind. And started a demonstration experiment at a kindergarten in Shizuoka on November 21, 2022.
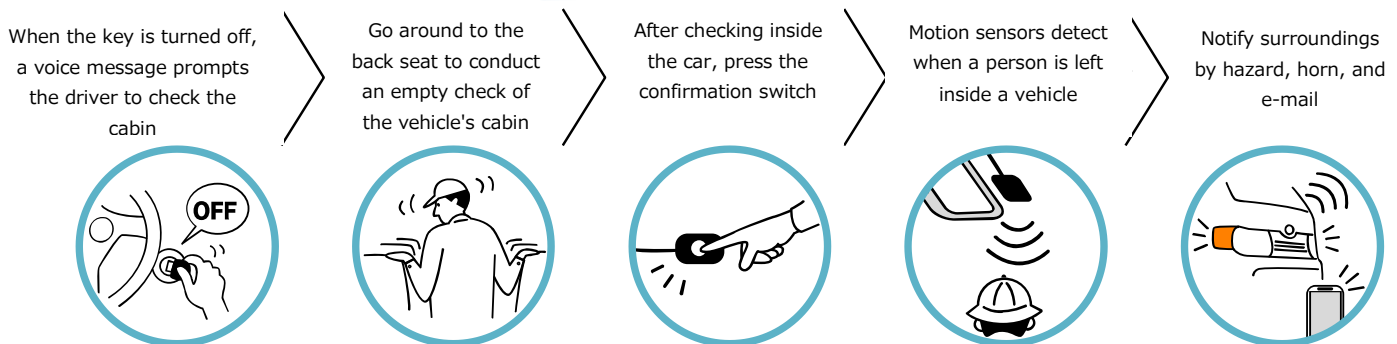
HKS MAMORU is a device that prevents passengers from being left behind by checking their whereabouts both visually by a person and by a motion sensor installed inside the bus.

After visual confirmation, pressing the confirmation switch activates the motion sensor. If a person remains in the car after the door is locked (door closed), the sensor detects the person and notifies others by sounding the horn and flashing the hazard lamps.

You can also be notified by e-mail in the case of such an emergency.

On the Dash "MAMORU" | Door Sensor | Motion Sensor | Confirmation Switch

In-vehicle Sensor
Confirmation Switch
·Notification to check inside the vehicle
(To be placed at the rear of the vehicle and pushed after checking the entire cabin)
Motion Sensors
·Detects human presence and movement
*Multiple units can be installed

Outside Notification
■Hazard Control
■Horn control
■Email notification (4G/LTE)
■GPS (location verification)
■Record of checks of vehicle cabin

MAMORU

"Check the inside of the vehicle and press the confirmation switch."

When the key is turned off, a voice message prompts the driver to check the cabin

Go around to the back seat to conduct an empty check of the vehicle's cabin

After checking inside the car, press the confirmation switch

Motion sensors detect when a person is left inside a vehicle

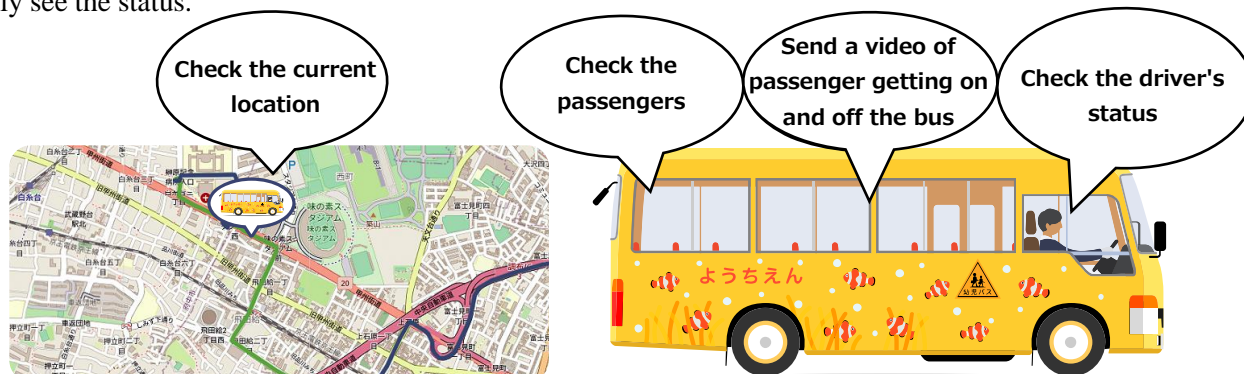Notify surroundings by hazard, horn, and e-mail

The purpose of the three-month experiment is to obtain feedback from the field and to feed it back into the product.
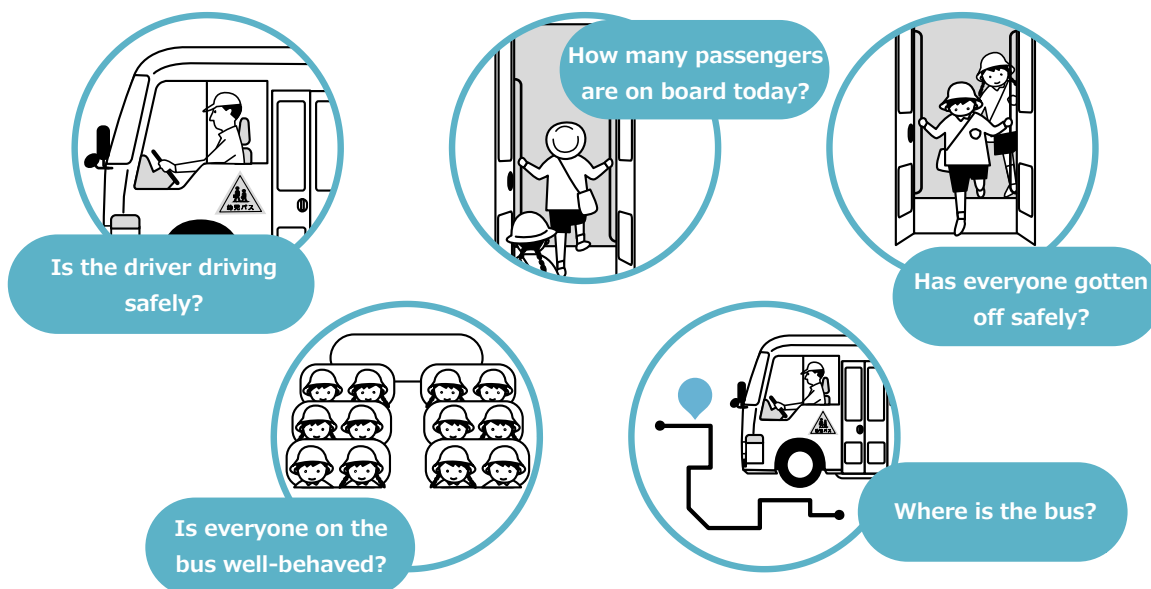
HKS Shuttle Bus Safe Monitoring Device Service HBAS-DR1 ROKUGA (pseudonym) is a customized model of our product, a communication type drive recorder that can record 360° views, recording the passenger's boarding and exiting status every time the door opens and closes and transmitting the data to the cloud.

The current and past boarding/exiting status can be checked on the cloud. By installing both MAMORU and ROKUGA devices, a system can be configured so that not only the driver but also the operation manager can instantly see the status.

Check the current location

Check the passengers

Send a video of passenger getting on and off the bus

Check the driver's status

All you need to know now, on your PC, phone or tablet!

Is the driver driving safely?

How many passengers are on board today?

Has everyone gotten off safely?

Is everyone on the bus well-behaved?

Where is the bus?

Our IoT devices are on display at the Shizuoka IoT Promotion Lab (located in the Shizuoka Prefectural Institute of Industrial Technology).
Address: 2078 Makigaya, Aoi, Shizuoka, 421-1298, Japan
https://www.iri.pref.shizuoka.jp/wp/wp-content/uploads/2022/04/IoTLAB_3rd.pdf

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