

## TAKEMATSU Co., Ltd.

### Summary of technology

- Monitoring locational information of waste collection vehicles using GPS in real time.
- “Automatic weighing system” installed in waste collection vehicle to manage data on volume of waste discharged at each source.
- Communication-type charge settlement system using a measuring instrument installed at a discharge source (reflected in the invoice) .
- Data management using Tablet; managed data include volume of waste collected from a discharge source (client), locational information and relevant client information which is shared among collection vehicle drivers. \* If collection route contain multiple clients, measuring instruments are installed at each client where as in-vehicle automatic weighing system is used for a single client route.

### Technology features / advantages

- Optimization of waste collection and transportation based on real time information and data.
- Reducing burdens of collection workers through using IoT.

# Waste collection and transportation

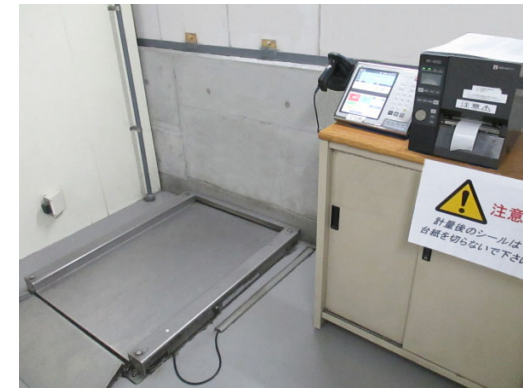
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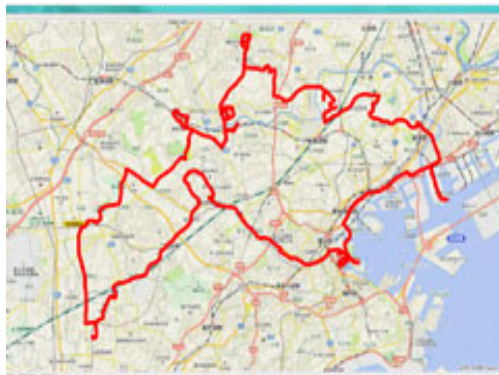
Hybrid compactor truck equipped with automatic weighing machine



Weigh display



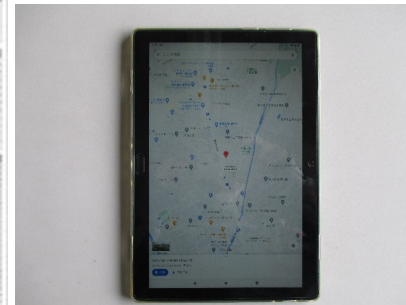
Measuring instrument installed at a discharging source



History of operation route



Driving data



Can be used with Tablet



Digital tachograph  
(Data input terminal)