

Global Visibility @ Your Touch

Global Fleet Enterprise



GFleet for Tracking Open- Top Containers

SembWaste Pte Ltd (SembWaste) is Singapore's largest waste collection services provider. One of the services it offers is the collection of industrial waste such as concrete and building waste from construction sites.

With more than 1200 **Open-Top Containers (OTC)** around the Singapore island, SembWaste needed an automated mechanism to track the whereabouts of its expensive assets. The containers were valuable assets which were critical to the running of this particular business. There was a **lack of traceability** and paperwork often lagged behind the operations and placement of the containers. In addition, **containers were misplaced or were missing**.

SembWaste engaged GT&T Engineering to implement the OTC Tracking System. The solution involved the installation of GBox, GPS trackers, which interfaced with GT&T's Active RFID readers on every one of the skip-jacks, trucks which haul the containers to their destinations. Active RFID tags were riveted to the metal containers.

Whenever a skip-jack hauls a container, the RF link between the vehicle RFID reader and the RFID tag on the container is registered along with the timestamp and location (latitude, longitude) of the vehicle. When the skip-jack unloads the container, that RF link is broken and this event is recorded in the backend system, along with the timestamp and location.

The system provided SembWaste **Total Asset Visibility** of its assets island-wide and eliminated the errors associated with manual tracking.



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