



muniDATA

real time waste and container analysis,
management and reporting software

working with muniROUND

muniDATA offers a complete Waste and Container management package providing a vital link between household/trade premises & containers/wheeled bins assigned to that address. Where RFID tags and weighing bin lift equipment is used **muniDATA** can also record & analyse weighing and tagging data against domestic and commercial premises.

■ **Automated reporting;**

muniDATA reduces annoyance focussing on reporting exceptions, such as those added using **muniROUND's** terminal, rather than flooding the user with standard 'conforming' collection data.

muniDATA offers the functionality to generate automated reports, which can be written specifically around recycling targets and KPI's. For instance, **muniDATA** can monitor & analyse individual recycling activities by waste type & generate recycling performance reports per round.

■ **Wide range of standard reports and future planning tools;**

muniDATA offers various standard reports to allow reporting by individual household, street, wards, etc. to provide Waste & Recycling officers with the information required to pinpoint areas of interest, standard reports include;

Collections> ■ by bin ■ by vehicle by waste type ■ by data & waste type
 ■ by address, waste type & bin ■ by day by vehicle & waste type
 ■ without RFID ■ Unallocated collections

Exceptions> ■ by exception type & date bin ■ by date

Rounds> ■ round details

Vehicles> ■ vehicle collections in sequence ■ waste type by date

■ **Exports data in common formats;**

Data can also be exported from **muniDATA** to MS Excel® or Crystal Reports® giving an infinite number of personalised reports.

■ **Futureproof design;**

Thanks to a modular design interface **muniDATA** can be easily upgraded inline with future political decisions on waste collection, 'pay by weight' or 'recycling rewards' scenario's.

■ **Single installation, multi-vehicle reporting and tracking;**

One licensed **muniDATA** installation will manage an entire private organisations depot fleet or local authorities fleet and is accessible via the internet meaning remote access is possible when required.

> Optional Bin Lift activity data link

> Optional Weighing & RFID data link

> Optional FMS CANbus data link

> Messaging & Memo's to cab crew

> Handsfree voice link to call centre

> Fixed or Portable **muniROUND** unit

> Prompts driver of collection round

> Instant messaging, crew <> office

> Prompts tipping location on screen

> Records ticket no. & weight tipped

> Database server hosting available

> Support & Project Management



Together, **muniROUND** & **muniDATA** offer the best available **complete** solution for round management, GPS fleet tracking and exception logging for domestic collections, trade waste collections, skip rounds and FEL's with proven installations nationwide.



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muniROUND - Rev. 1 EN - March 2009



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muniTRACK

vehicle tracking and data solution

also suitable for
Kerbsider®
Toploader®
ABUV
Gritters
Sweepers
Service Vans

with
muniDATA

product features

Terberg's muniTRACK provides a vehicle tracking system that integrates perfectly with Terberg's range of binlift and weighing products to give realtime analysis of your fleet activities. Many products in the marketplace are able to offer 'standard' tracking solutions, but Terberg's muniTRACK uniqueness lies in its ability to be easily incorporated with their range of binlifts and weighing and identification systems.

When configured with a bin lift muniTRACK gives you visibility of bin lift activity including:

- Trade and domestic counts
- Weight information with TMDW9004
- Ignition on/off events
- Speeding, over-rev events and much more.

Events are recorded with a GPS position so you see what's happening & where.

muniTRACK is modular providing a flexible system designed to give breathing space for your future requirements. The base unit is capable of interfacing with CANbus systems for remote chassis data, the RS232 input allows integration with equipment such as sweepers, gritters, pumps and of course bin lift equipment.

The system allows target weights to be entered, this automates the generation of an 'exception' list that would detail the location of all overweight bins at the end of the round, alternatively, you can access this data manually. A new innovative feature is a targeted presentation report that affords users the ability to review participation rates, this data can be filtered to allow focus on specific roads, estates or the entire round.

Unlike similar systems, **muniTRACK**'s web based viewer and reporting system doesn't have licensing restrictions providing the ideal solution wherever you want to access data. Multi-user functionality is available from the office, at home, on the road, around the clock and around the world.

Customisation options on each report gives almost limitless flexibility. Whether you want to compare vehicle performance data to determine the chassis you'll purchase next time or analyse your domestic to trade ratios, **muniTRACK** can analyse every facet of your fleet and its activities.

muniDATA is a complete Waste and Container management package providing a vital link between household/trade premises and the unique RFID tag fitted to the container assigned to that address. **muniDATA** reduces annoyance by centring on reporting exceptions rather than flooding the user with standard 'conforming' collection data. The system offers functionality that generates automated reports, these reports can be written around recycling targets and KPI's. The Bin Drift report, is capable of highlighting which bins have been moved from their originally designated collection point.

A new RFID handreader is also available which synchronises itself with the **muniDATA** application to give control over bin deliveries and show residents their collection history by reading the RFID tag in their bin.

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muniTRACK - Rev. 2 EN UK - March 2009



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