

AMCS Weighing & Identification System

Certified and uncertified bin weighing, container identification using RFID and GPS, stop listing of containers, GPS location of pick-ups and real-time data transfer

Overview

In order to be able to control costs and increase profitability within the waste, recycling and resource industry, it is essential to be able to identify and determine the weight of waste and recycling containers during collection.

The AMCS Weighing and Identification System is based on the revolutionary AMCS VDH platform for data collection and enables automated capture of weight and identification data.

The weighing system is type approved to MID 204/22/EC and can be certified to Class Y(a) & Y(b) – unique in the UK. In addition to this, identification can be achieved through the use of either RFID or GPS technology. The option of GPS identification is a patented application from AMCS.

Through the use of a built-in modem, all data can be transferred in real time to the office. Certain containers may be blocked from collection through the use of the integrated stop listing feature, a useful feature in the event of unpaid or overweight containers.

Major Benefits

The AMCS solution provides the following key benefits:

- Ability to perform a profit & loss analysis on each customer and identify unprofitable customers
- Reduced revenue leakage by addressing the problem of revenue lost through fraud and incorrect pricing
- Implement pay by weight waste collection services
- Take control of your biggest variable cost – cost of disposal by weight
- Proof of service – more effective dealing of customer queries and resolution of issues
- Ability to offer varied and effective pricing plans targeted at your customer base
- Improved profitability as blocking of unauthorised lifts enables you to only lift the bins for which you are being paid
- Improved overview and efficiency of operations as data collection in real time enables you to take action at the moment a problem presents itself

Featured Highlights

The AMCS weighing & identification solution brings a host of advantages to operators:

- Expandable and modular design allows for future enhancements to customers' solutions
- Using our patented GPS container identification technology, identification can be achieved without RFID if required
- Available for all makes and models of bin lifts on the market
- Remote diagnostics available on the VDH results in faster repair time
- High-quality components (e.g. connectors are IP69K-rated for maximum protection) which are suitable for the harsh working environment
- Connection available for in-cab devices opens up a world of mobile working making use of intelligent data
- Simplified system installation meaning reduced downtime for vehicles

AMCS Weighing & Identification System

VDH - Vehicle Data Hub

The VDH unit can collect and manage RFID, Weighing, GPS coordinates and CANBus data through one single unit with greatly simplified wiring and installation.

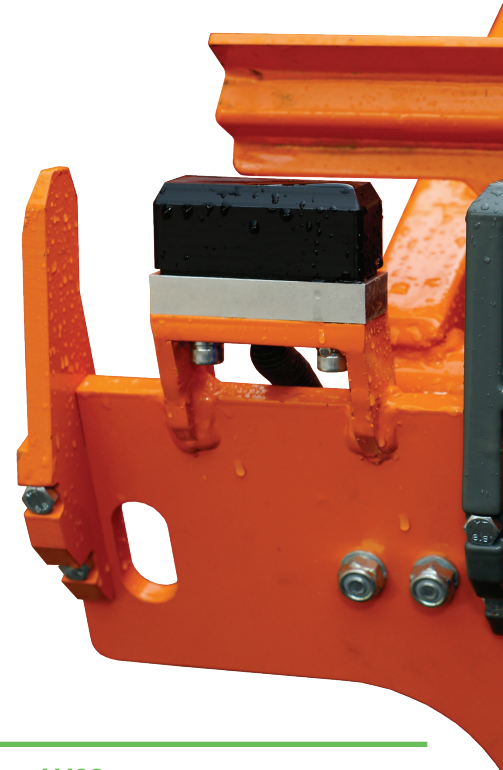
- GPS: GPS L1 C/A code: SBAS: WAAS, EGNOS, MSAS, GAGAN
- CAN: J1939, J1708 interfaces available (optional)
- I/O: 8 Inputs, 4 Outputs, expansion available
- WiFi: Wlan 802.11 b/g
- GPRS: GPRS/GSM 850/900/1800/1900
- Communication: Encrypted for security
- Compressed data to reduce data transfer cost and improve reliability
- Block transfer used to ensure reliability in poor network conditions
- Environment: Operating temperature -20 ~ 50°C

Identification

- RFID: Up to 4 RFID channels
- 125kHz and 134.2 kHz frequencies available
- UHF RFID capability available
- Patented technology for GPS identification

Weighing

- Type approved to MID 204/22/EC and can be certified to Class Y(a) and Y(b)
- Dynamic weighing – no interference with lift cycle
- Compatible with all lift types



About AMCS

AMCS is the leading supplier of integrated software and vehicle technology for the waste, recycling and material resources industries. We help over 1000 customers to reduce their operating costs, increase asset utilisation, optimise margins and improve customer service.

AMCS

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