# SUCCESS STORY

## Digital Waste Management

Discover how Austrian company Gassner Wiege- und Messtechnik GmbH is revolutionizing waste management with Revolution Pi. Thanks to innovative technologies, precise access control and modern app solutions, the system not only optimizes existing processes, but also sets new standards in efficiency and sustainability.

Gassner's product portfolio includes both standardized and customized system solutions for a wide range of customers, including cities, municipalities, waste management companies and industrial enterprises. A particular focus is on the supply of complete systems, covering all stages from planning and development to installation and calibration. The products range from access systems and various types of scales to waste houses and much more.

### The Challenge

The challenge was to develop a cost-effective solution based on the latest technologies to prevent congestion, traffic jams, waiting times, and waste tourism. Choosing the right hardware platform was crucial. It needed to be powerful, scalable, and robust to meet diverse requirements while offering flexibility. The goal was to serve customers quickly and efficiently, allowing specialized staff to focus on core tasks.

The system includes RFID cards, transponders, license plate recognition, and advanced software and application solutions. Seamless information exchange and effective collaboration among all stakeholders, compliant with relevant data protection regulations, were paramount.

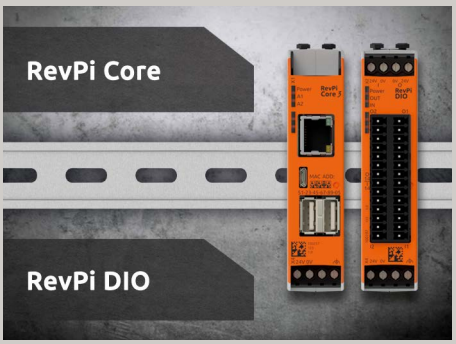
Efficient access control forms the basis for the digitalization of future processes. A container scale is available for economical and accurate recording of all delivered waste quantities. Thanks to its robust design and precise weighing technology, it enables accurate weighing of roll-off and compactor bins. Customers can log in using an RFID card or app, whereupon the roller shutter opens automatically and the system registers each drop-off in real time.

The waste house is available for small quantities and provides a simple and almost self-explanatory solution for weighing waste. Equipped with a motorized lid and the option of solar power, it can be placed anywhere. Payment can be made quickly and efficiently using traditional pay stations or cashless payment services.

### Technical Realization

The Revolution Pi was chosen as the central hardware platform by Gassner


### Modules used




**REVOLUTION PI**

Web revolutionpi.com
E-mail info@kunbus.com
linkedin.com/showcase/revolution-pi

GmbH. By using the RevPi Core, the company was able to rely on a reliable and robust hardware solution that is open and flexible. The result was a system that met both technical and economic requirements. The Revolution Pi provides a powerful and scalable base that is ideal for complex and versatile applications. Additionally, the RevPi DIO was used to integrate a variety of digital inputs and outputs.

The integration of C++ applications allows the company to develop customized solutions to meet the specific needs of its customers. The company's own Webconnect management software integrates seamlessly, providing standardized interfaces to municipal programs and the ability to manage all sites from any terminal. The leading application for cities and municipalities in Austria, GEM2GO, can also be easily connected. This gives users a virtual citizen card directly on their smartphone, enabling real-time monitoring of recycling center usage and instant access to all relevant information.

For more information, visit www.gassner-waagen.at.

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Web revolutionpi.com
E-mail info@kunbus.com
linkedin.com/showcase/revolution-pi