

Recycling CASE STORY

Römer AG, Villmergen (Switzerland)

Modern recycling center digitized and automated

For the new drive-in recycling center “brings” of Römer AG in Villmergen, Hunkeler Systeme AG implemented a complete solution for access, weighing technology, and payment processes.

As a regional disposal and recycling partner, Römer AG has been operating recycling centers for the recycling of various materials for decades. In June 2025, the company opened the new, state-of-the-art recycling center “brings” at its Villmergen location for private customers and small businesses. A digital control system is intended to ensure efficient, customer-friendly, and economically sustainable operation.

For the planning and implementation of the project, Römer AG relied on the expertise of Hunkeler Systeme AG. The system supplier was responsible for access control, weighing technology, payment process control, as well as the digital

platform and software – Römer AG received all services from a single source.

Initial situation

The new collection point was to be future-proof. It was to operate cashless and as automated as possible. In addition to a smooth disposal process for customers, a cost allocation based on the polluter-pays principle with high transparency was required.

In conventional recycling centers, some work is done manually. This leads to comparatively high operating costs and makes it difficult to fully trace the processes.



On May 25, 2025, Römer AG opened its new regional waste collection center in Villmergen. Access to the approximately 4,900 square meter hall, traffic flow, and disposal with cost allocation based on the polluter-pays principle are fully digitally controlled.



Barriers at the entrance and exit control the traffic flow on the site.



A guidance system provides information about the occupancy of spaces according to three vehicle categories.

The solution

At the heart of the new facility is a fully digitized infrastructure that covers the disposal process from entering the site to payment. The solution includes, among other things::

- **access system** for customer identification and payment;
- **automatically controlled barriers** at entry and exit, exit barrier opens only once a chargeable disposal fraction has been paid;
- **drop-off point for garbage bags** with integrated scale, automatic weight detection and billing;
- **weighing stations with cash register system** for chargeable disposal fractions;
- **two tipping bunkers with integrated scales** for commercial enterprises;
- **bag vending machine for garbage bags** with cashless payment;
- **payment terminal** to complete a disposal process;
- **web-based control** of all disposal stations via the WebConnect platform.

Hunkeler Systeme AG implemented the project in close cooperation with Römer AG and all involved companies. Experiences from all sides were combined and transformed into innovative ideas.

The result

Through digitization, Römer AG has automated and streamlined processes. The recycling center impresses with smooth operations for both the operator and customers. Chargeable materials are precisely weighed and billed according to the polluter-pays principle. Cashless payment reduces the risk of errors and lowers administrative effort. The WebConnect platform also enables comprehensive evaluations. This allows Römer AG to analyze operational processes and continuously improve the efficiency of the recycling center.



Commercial enterprises can unload their vehicles directly into tipping bunkers.



Garbage bags are automatically weighed and billed. The polluter-pays principle applies.