



The future in waste management



# What is Wiegon?

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Wiegon is the most advanced system in Europe for digitizing and automating municipal recycling centers.

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In close cooperation with municipalities and other companies, Wiegon develops innovative digital systems for a complete waste management.



What is Wiegon?

# Wiegon is the operating system for your recycling center.



With Wiegon, your recycling center becomes fully digital. Based on many years of experience, Wiegon has a goal to be the waste management of the future. This is achieved by controlling all processes. From identification at the entrance, digital recording of waste disposal, monitoring of drop-off areas and finally transferring of billing data. The system excels in its easy operation, transparent communication, innovative technology and compatibility.





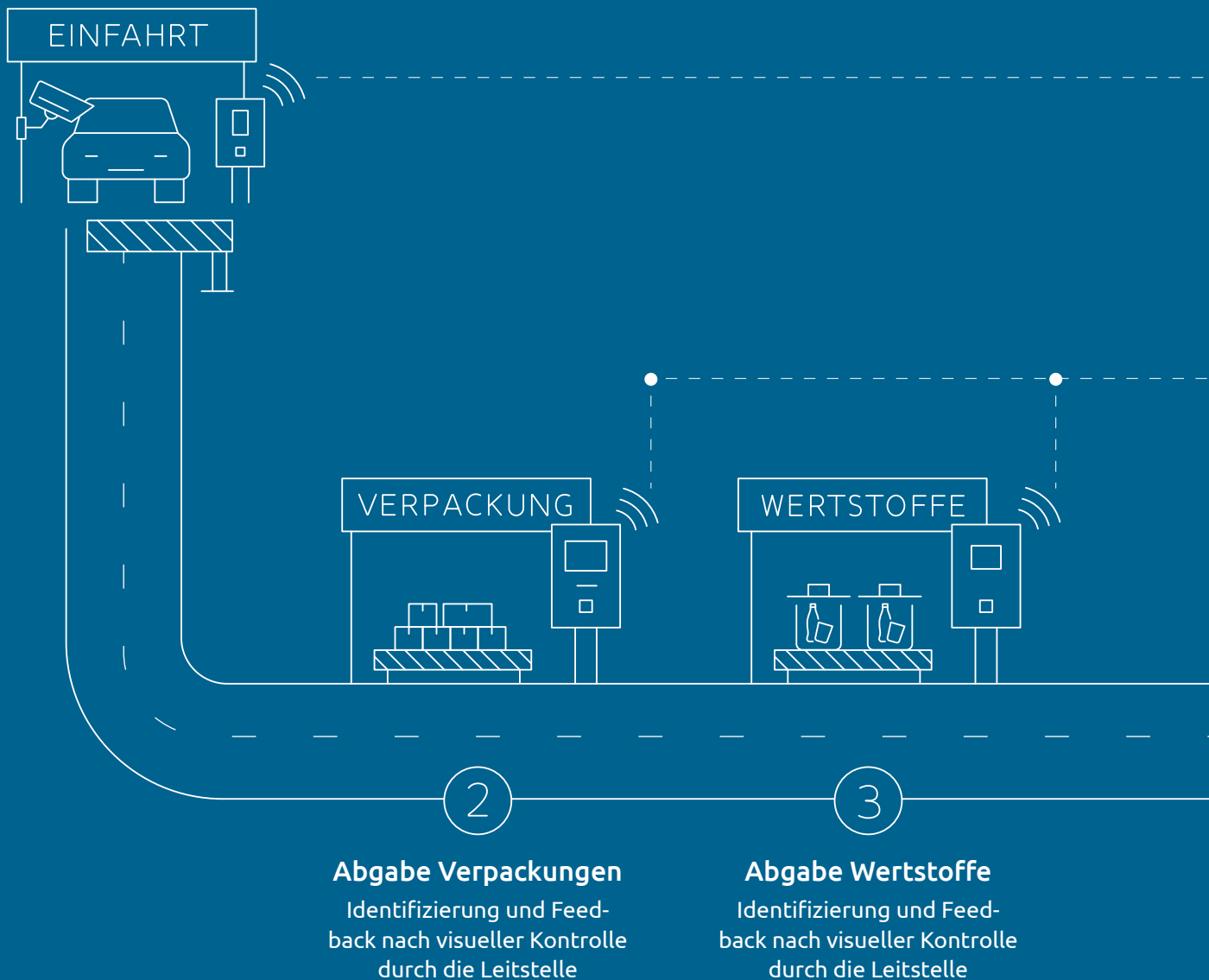
## What tasks does Wiegon take on?

- › Digital control and monitoring of the recycling center
- › Digital weight recording and forwarding records to accounting department
- › Collaboration promotion through networking between recycling centers and municipalities
- › Clear and simple administration
- › Simplified processes for both customers and employees
- › Provides an open system with a modular structure
- › Online status monitoring for stable operation
- › Ongoing developing and updating of the operating software

# Recycling Center 4.0

## Autonomous operation with a control center

- 1 **BürgerIn fährt am AWZ ein**  
Authentifizierung am **Wiegon Access Terminal** mit Bürgerkarte, Bürger App oder per Kennzeichenerkennung, um die Schranke zu öffnen.



## Wiegon Leitstelle

Zentrale Verwaltung aller  
Wiege- und Bürgerdaten

### Gemeinden

Import/Export der Daten in die  
Kommunalmanagement Software  
zur weiteren Verrechnung an die  
BürgerInnen

### BürgerInnen

Zugriff auf getätigte Buchungen,  
Tarife und Auslastung

### BürgerIn verlässt das AWZ

Registrierung der Ausfahrt  
via  
Kennzeichenerkennung

### Abgabe von Bioabfällen

Identifizierung und  
Verwiegung von Bioabfall  
durch die Leitstelle

### Abgabe Restmüll

Identifizierung und Verwie-  
gung / Überwachung durch  
die Leitstelle

How we proceed

# Choose with us the right Wiegon modules.

Let's digitalise your recycling center together! To do this, we analyse your existing situation, we define your goals and requirements and develop a tailor-made concept. Based on your local situation, we consider all waste-related processes individually. In order to guarantee you and your customers an efficient service, we select together with you the appropriate Wiegon hardware and software modules such as terminals, barriers, cameras or apps. Welcome to the future of waste management!







## Available modules

 Online platform

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 Mobile apps

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 Control center module

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 Incident Management

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 Payment terminals

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 Weight- & information terminals

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 Autonomous bio-waste drop-off

 Cameras

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 Barriers & capacity management

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 CRM interfaces

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 Garbage truck collection module

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 SMS infoservice

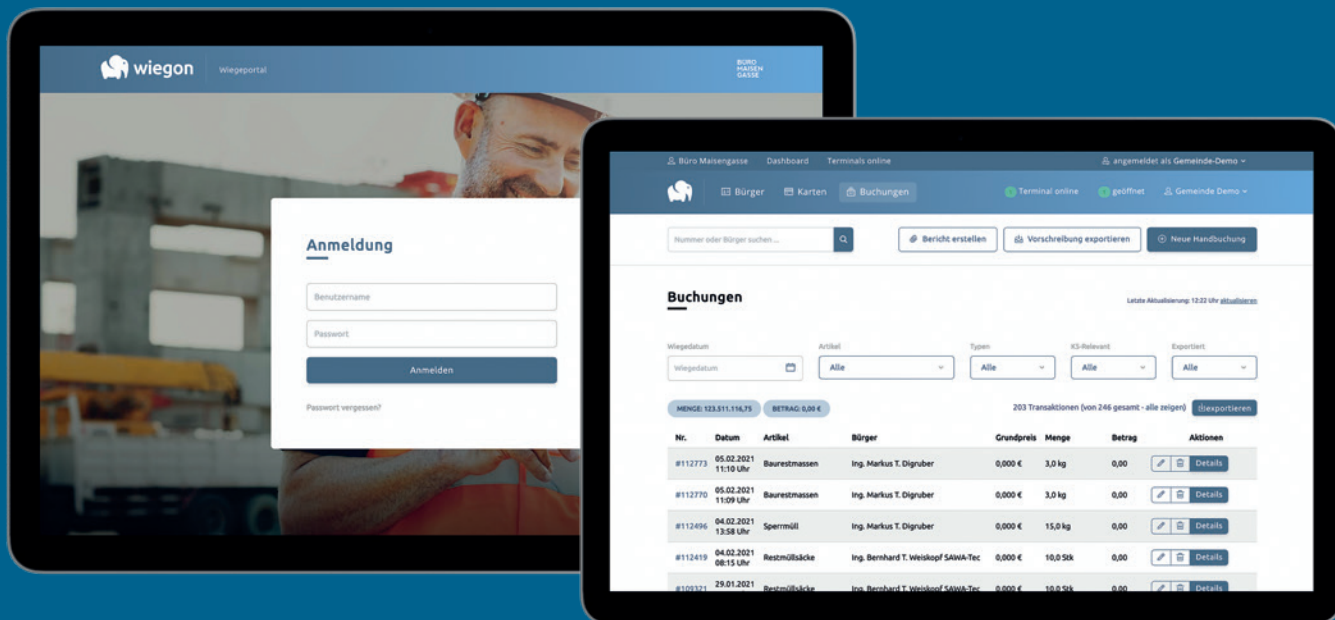
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 Citizen service

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 Guidance system

# Wiegon Cloud



Wiegon Cloud is a web portal that acts as an interface between the municipality and the waste management center. It is compatible with K5 software as well as any other common municipal management software. Wiegon Cloud stores customer and card data from municipal management and controls the authorisation and data management of all terminals in the recycling center. This data is then exported from Wiegon Cloud into the municipal management software as a further processable export file, which forms the basis for billing. The recycling center outsources the payment transactions to municipal financial management. Data transfers are executed with a single press of a button. Wiegon cloud can also store licence plates as additional access keys.

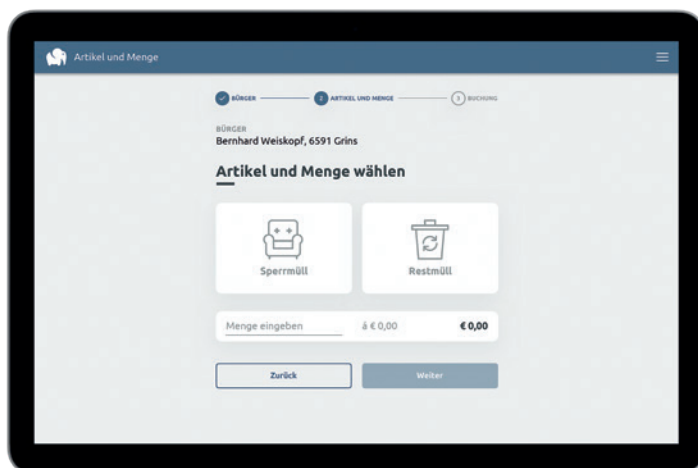
- > Presentation and processing of customer, card and transaction data.
- > Creation and export of reports
- > Creation of manuals and guides
- > Transaction correction or cancellation
- > Management of opening times
- > Communication with customers via Wiegon customer app
- > Wiegon staff app for entering transactions via tablet or smartphone



# Wiegong Citizen App

The Wiegong Citizen App is the main source of information for the citizens.

Available for iOS and Android, the app connects directly to the terminals and allows thus an identification without a card. Card could be added to the app using a QR code or directly at the information terminal. In addition, the app also allows access to customer transactions and shows the current capacity utilisation at the recycling center



# Wiegong Staff App

Thanks to the Wiegong Staff App, staff at the recycling center can record the transactions. Compatible with all Android smartphones or tablets that include a NFC reader.

Hardware

# Interaction and communication at the highest level

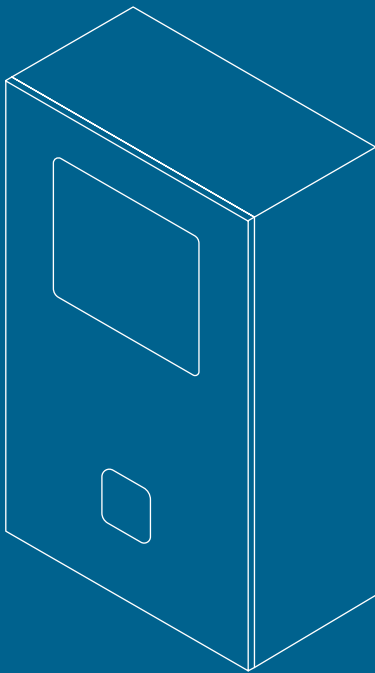


Wiegon Access

Wiegon Pro

Wiegon Lite

## Wiegon Terminal Modelle



### Wiegon Pro

Wiegon Pro is a universally applicable weighing terminal equipped with a multireader and a touch screen. It can be combined with all commercially available scales and weighing platform. Its benefits are simple and user-friendly weighing process. Because the weighing terminal provides multiple outputs and inputs for both industrial (PLC) and PC applications, it allows for almost unlimited amount of control and communication tasks. The 12" touch display enables an additional processing of other communication tasks - for example entering of customer contact details.

### Wiegon Connect

This universally applicable booking and communication terminal with multireader and a 23" color touch screen provides customers and employees with a simple and user-friendly operating process on site. The terminal has several outputs and inputs for both industrial (PLC) and PC applications and is a specialist for almost all control and communication tasks.

### Wiegon Lite

Wiegon Lite is a basic weighing terminal with an identification via a multireader that can be combined with all standard scales and weighing platforms. A digital screen displays directly the status of the weighing process. The login and logout processes as well as the signalling of an unauthorised disposal are also played acoustically via the integrated audio output.

### Wiegon Access

Wiegon Access is an access post with identification via multireader and is used to control gates or roller shutters. Various status outputs such as "authorised / not authorised", "system closed", "facility capacity reached – please wait" are possible via the integrated display. Additional components such as traffic lights or cameras can be controlled via license plate recognition.

### Wiegon Access Pure

Wiegon Access Pure  
Wiegon Access Pure is an access terminal with an identification via multireader. It is ideal for simple authorisation checks without advanced communication requirements such as an access to a collection point.

The autonomous recycling center

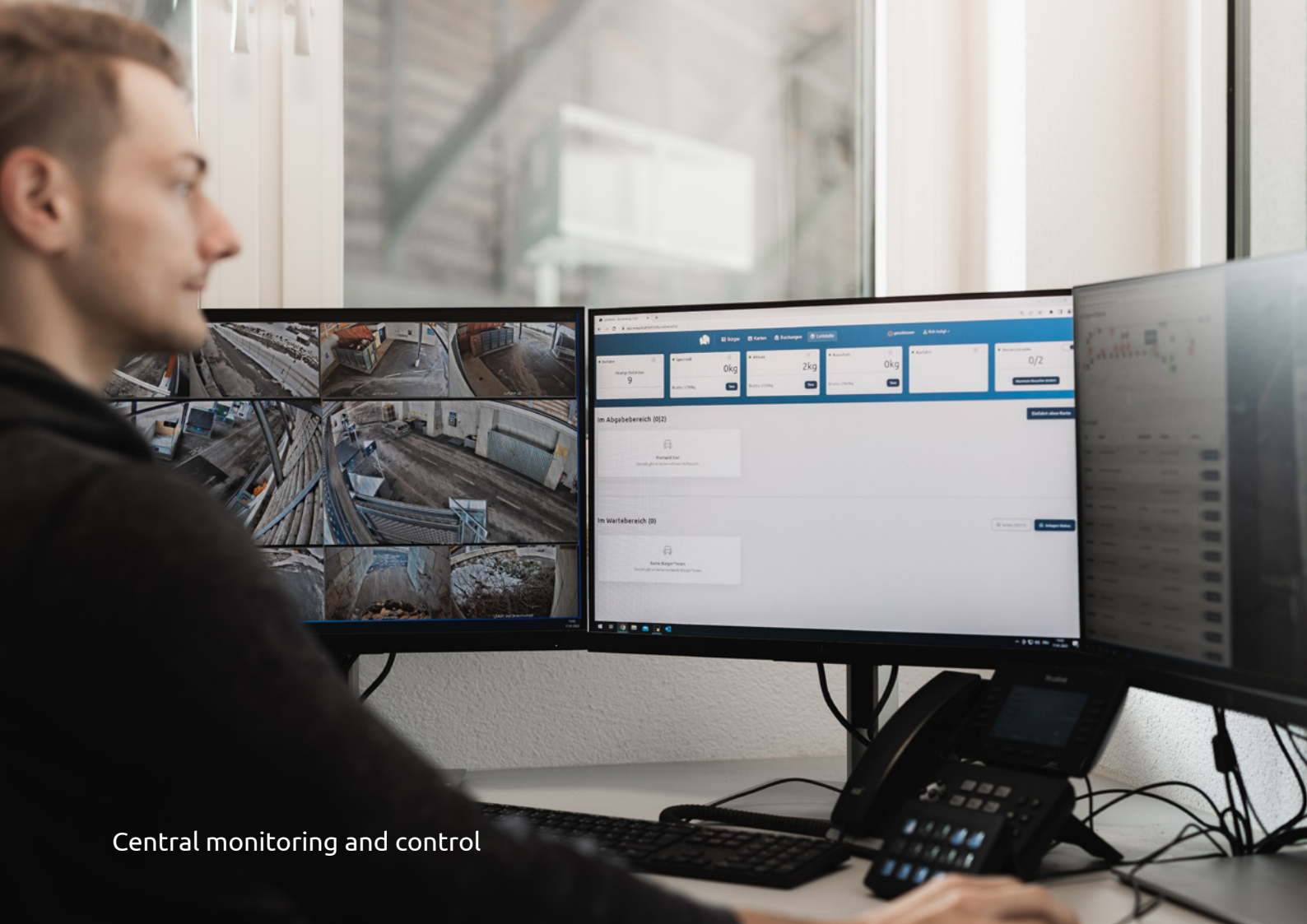
# The most digitalized recycling center in Europe



The Wiegon control center combines comprehensive waste technology know-how with Wiegon's software and hardware. By digitalisation of all waste-related processes, we create a fully automated recycling center. Municipalities and cities can offer their residents autonomous waste disposal that is independent of time and personnel. The pilot project was implemented in the municipality of Ischgl in 2022. Since then, the Tyrolean recycling center has been the most modern waste management center in Europe.



Automated entry via license plate recognition, with Wiegon Citizen App or a customer card



Central monitoring and control

## Fully automated operation 24/7

- › Fully autonomous recycling center
- › Customised opening times, 24/7 operation possible
- › License plate recognition, intercom systems, video surveillance, facility capacity
- › Information and self-service terminals
- › Central control center with software monitoring, offering a remote operation
- › Restricted collection points with access control and weighing stations
- › Wiegong staff app with current capacity utilisation at the recycling center  
Personalised dashboard with transaction fees overview
- › Wiegong staff app for controlling transactions at the recycling center
- › Wiegong control system and customer information
- › Data-supported and automated fill level management of the waste containers
- › AI supported recognition of unauthorised disposal and incident management

Key facts

# Wiegon recycling center Ischgl

Ischgl in Tirol

**1.600 residents**

Overnight stays per year

**1.6 Millionen**

Built in

**2022**

Area

**2.600 m<sup>2</sup>**

Entries per month

**ca. 3.000**

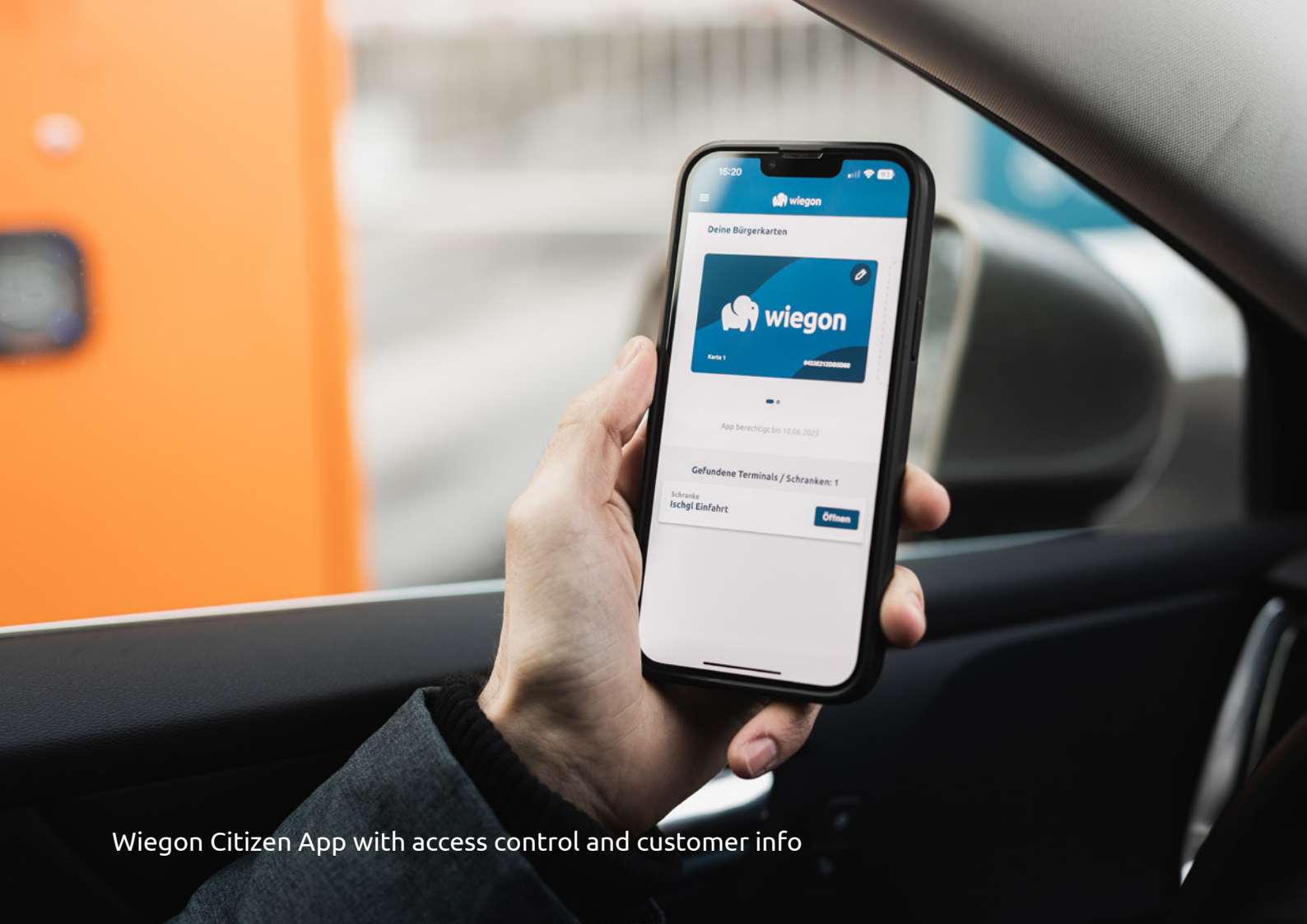
Controlled units

**46**



Uniform guidance system and restricted collection points with access terminals





Wiegon Citizen App with access control and customer info

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**Technology:** 3 barriers, 7 intercoms, 32 cameras, 3 weighing terminals, 1 information terminal, 1 central control center, Wiegon Citizen app, Wiegon Staff App

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**Annual waste volumes:** 650 tons of residual waste, 750 tons of organic waste, 276 tons of bulky waste, 160 tons of plastic packaging, 105 tons of paper, 620 tons of glass, 299 tons of cardboard

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**Sections:** Tree & shrub cuttings, green waste, problematic materials, used clothing, electronic scrap, household scrap, metal packaging, composite packaging and plastics, stained and white glass, cardboard boxes, construction rubble, bulky waste, scrap wood



# Comments on Wiegong recycling center Ischgl

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„I am personally convinced that the digital waste management center is the future and will soon be implemented by other municipalities.“

– Werner Kurz, Mayor of Ischgl

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„Our new recycling center was well received both by our residents and our employees. It works very well. The extended opening hours make waste disposal less stressful and more pleasant“

– Christian Schmid, head of the municipality of Ischgl

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„The system works very well with the first test groups and we are satisfied with the residents morale about waste separation. Switching to the new system meant initially an extra effort from us, but we are now more familiar with the technology and proud to be able to use it.“

– Andreas und Serafin Siegele, employees at the Ischgl recycling center

# What our customers say

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„Our existing system at the Sölden waste recycling center was getting old and implementation of a new system was necessary. By chance we came across a young, dynamic company from Landeck that helped us with our specific problem. Wiegon is unique, there isn't yet any other product in this form on the market. The new system has definitely proven itself – it was installed in just a few days and since then it has been a relief for everyone: the customer uses familiar, established system with the latest technology.“

**– Ernst Schöpf, Mayor of Sölden**



„Sölden built the waste recycling center including a weighing system in 1993, and we upgraded the technology in 1997. The hardware and software have not been renewed since. The need to adapt to the latest technology was obvious. After years of researching, we came across the newly founded company Wiegon. What works in Wiegon's favor is that it is a Tyrolean company and therefore their support is readily available. Further advantage are the terminals, which are designed to provide clear and customer-friendly informations. The software from Wiegon programmer Armin Wolf is also great. “

**– Michael Kneisl, Head of recycling center Sölden**



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„Wipptal region carried out in advance a thorough survey about the expansion requirements and requests (Wiegon customer app). We chose Wiegon weighing system for several reasons. It was developed by experts from various fields, the app was already available, the software annual fees were affordable, and it fulfilled the requirements and expansion requests. The introduction of the resident cards is now proving successful throughout the Wipptal planning association. Direct billing by the municipal finance administration is an innovative solution. For us, the chosen system is an investment in modern digital development.“

– **Alfons Rastner, Mayor of Mühlbachl**



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„We are very satisfied with the new Wiegon weighing system in Wipptal. This system meets all requirements and has everything that communities and recycling centers will need in the future. Another advantage is the flexibility that the new Wiegon system offers.“

– **Andreas Stockhammer,  
Head of recycling center Wipptal-Steinach**

# Ask. We would be happy to advise you on the digitalisation of your recycling center.



## 01 Analysis

First we define your goals and requirements. We then carry out a thorough study and provide you with implementation ideas, costs and possible options.



## 02 Engineering planning

We plan all waste-relevant processes and their digitalisation. We present a concept with all the necessary construction measures.



## 03 Soft- / Hardware

Together with you we select the appropriate Wiegong hardware and software modules, such as terminals, barriers, cameras, apps, etc. or develop new ones if necessary.



## 04 Assembly / Operation

Our Wiegong assembly and service teams will successfully complete your project and ensure it runs smoothly and efficiently





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