

Green Light for Weighing and Recovery



Integrate processes for improved speed and reduced costs

Integrate processes for improved speed and reduced costs

As a waste disposal service provider, you need processes that interoperate smoothly. However, often the information flow stops at the gates of your facility. The SAP® Waste and Recycling application helps you **improve the weighing process** and your downstream production and billing processes.

Higher costs, more demanding customers, and increasingly stringent regulations mean companies in the waste disposal industry must optimize the use of their resources. While processes in waste disposal facilities have to run quickly and reliably, the weighing process often proves to be a bottleneck. In addition, lack of integration often causes duplication of effort and information loss in the control, management, and documentation of downstream processes. With the

functionality for waste facilities and scales that is part of SAP Waste and Recycling, you can establish consistent and comprehensive process control. You can integrate your scales directly with the SAP ERP application to weigh through all material movements beginning at the gates of your waste disposal facility. You also get support for all treatment steps as well as your order confirmation, billing, and collections processes downstream.



Incorporate scales into SAP ERP

Incorporate scales into SAP ERP

Automate the weighing processes

Establish direct process control

Weigh offline when necessary

Increase efficiency for facilities
– inside and out

Integrate plant maintenance

Incorporating scale systems into your enterprise's IT system is a difficult task with no consistent communication standard for the various scale systems; and, typically, each has its own proprietary protocols. So many facilities set up additional interfaces to the scale software. But these interfaces cost time and money and are highly prone to error due to the complexity of integrating them.

SAP Waste and Recycling helps solve these problems by enabling you to connect the scales directly to your enterprise software and control the scales without the need for additional interfaces. So you get double the

benefits: reduced implementation and operating costs, and new ways to optimize processes.

- The optimized, flexible user interface speeds up the process of weighing your transport vehicles.
- You can print weighing records with no need for extra software.

The solution lets you weigh your own vehicles on the basis of internal orders and weigh external vehicles on a contract basis. Cash sales and invoicing – based on the application's sales and distribution and invoicing functionalities – are the two payment options when weighing external vehicles on a contract basis. You can transfer weighing data directly to billing and invoicing as well.



Automate the weighing processes

Incorporate scales into SAP ERP

Automate the weighing processes

Establish direct process control

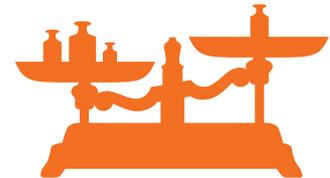
Weigh offline when necessary

Increase efficiency for facilities
– inside and out

Integrate plant maintenance

When a truck enters or leaves a waste disposal facility, it has to be identified. In many cases, this identification process is awkward and time-consuming. SAP Waste and Recycling makes it easier. You can identify the vehicles that are recorded in SAP ERP at the time of weighing using an ID-card reader or a barcode scanner. Even if you record the vehicles manually, the relevant order data or contract data is immediately available. The instant traffic light or barrier function, which is controlled by SAP ERP, helps ensure that the scales are operated to full capacity. When

a scale becomes available, you can switch the traffic light for the next delivering vehicle to green or open the barrier. These functions mean that the weighing process is fully automatic; in other words, the only human being required for weighing on an unmanned scale is the driver.



The software supports your work processes, starting with weighing through all material movements.



Establish direct process control

Incorporate scales into SAP ERP

Automate the weighing processes

Establish direct process control

Weigh offline when necessary

Increase efficiency for facilities
– inside and out

Integrate plant maintenance

Functionality for waste facilities and scales in the SAP application lets you instantly post and manage the materials recorded in the weighing process. You can create detailed waste lifecycle analyses for your customers and quickly make transfer postings for materials in production processes, for example, separating or sorting. The direct link between scale processes and materials management helps you reduce costs and manage material flows enterprise-wide.

To record visual controls and reserve samples, the software lets you assign numerous parameters and values to each sample. On the basis of business rules you define, the application then sets a delivery lock for future deliveries, in accordance with the result.

Thanks to the application's integration with the SAP Legal Requirements for Waste and Recycling application by PROLOGA, you can efficiently fulfill at the scales the statutory requirements for documenting material transports, including those for hazardous materials. You can process data that is relevant to waste law and check it in with the weight-recording interface. You do not need to record this data separately.

Once the vehicle is identified and recorded – which you can do using an ID-card reader, bar-code scanner, or manually – the relevant order or contract data is available immediately.



Weigh offline when necessary

Incorporate scales into SAP ERP

Automate the weighing processes

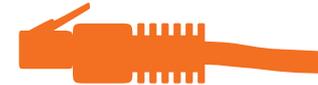
Establish direct process control

Weigh offline when necessary

Increase efficiency for facilities
– inside and out

Integrate plant maintenance

The scales must function properly. But they don't always. So what happens if the data connection between a scale and the SAP software fails? This can be very expensive for the disposer – if the transport vehicles get backed up all the way to the freeway exit, for example. Treatment and disposal functionality in SAP Waste and Recycling is prepared to offset this worst-case scenario. It allows you to integrate client software for offline weighing so that you can record data and save it until your data connection to the SAP software is up and running again.



Establish consistent communication for all your scale systems, including fail-safe offline weighing.



Increase efficiency for facilities – inside and out

Incorporate scales into SAP ERP

Automate the weighing processes

Establish direct process control

Weigh offline when necessary

Increase efficiency for facilities – inside and out

Integrate plant maintenance

Transferring, splitting, and blending materials are all part of a day's work in waste disposal facilities. The functionality for waste facilities and scales makes it easier for you to execute and document these processes. To map all the relevant data from various process types, such as source and target materials and their quantity shares, you use process templates. These templates let you group together recurring processes so that you can consistently update and document them. You can modify the templates in the case of an individual process, if required.

The weights posted in SAP ERP, as well as all information about internal facility processes, are automatically transferred to the electronic operations log. Also, the functionality creates and manages shift log entries for each waste disposal facility. Any information that is not yet available in the system can be quickly added in a user-friendly input screen. The information flow helps guarantee compliance with all legal documentation regulations with the required high level of reliability.

Make your waste disposal processes simpler, faster, and more cost-effective, both inside and outside your facilities.



Integrate plant maintenance

Incorporate scales into SAP ERP

Automate the weighing processes

Establish direct process control

Weigh offline when necessary

Increase efficiency for facilities
– inside and out

Integrate plant maintenance

SAP Waste and Recycling provides you and your facility with plant maintenance functionality that includes inspection, preventive maintenance, and repair. These functions enable you to:

- Describe the technical status of an object
- Request that the repair department implement a particular measure
- Document maintenance work

The maintenance history gives you ongoing access to maintenance data, which you can then use for reporting purposes. All these processes are also automatically noted in the facility's operations log. What's more, you can document processes such as investments and remodeling work.



Companies in the waste disposal industry are finding out just how important it is to optimize the use of their own resources.

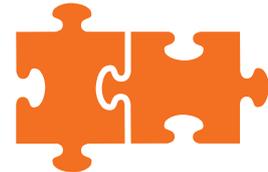


Benefit from waste facilities and scales functionality

Benefit from waste facilities and scales functionality

With SAP Waste and Recycling, you can benefit from:

- Simplified process execution
- Integration of your scales with SAP ERP and with all of the application's other functionalities
- Identification of relevant contracts, orders, and vehicles
- Incorporation of your weighing procedures with your overall process flow
- Automated documentation to support regulatory compliance



With functionality for waste facilities and scales that is part of SAP Waste and Recycling, you can help ensure comprehensive process control.





www.sap.com

Objectives

Solution

Benefits

Quick Facts

Summary

Functionality for waste facilities and scales, part of the SAP® Waste and Recycling application, offers you process support, from weighing through internal facility processes to postings in materials management and billing and collections. Integration with plant maintenance processes means that you are always up to speed, not only with the processes in your facility but with the facility itself.

Objectives

- Execute processes more reliably and cost-effectively
 - Establish smooth communication between the scales and your IT system
 - Comply with statutory regulations with greater efficiency
 - Streamline the handling of waste permit procedures
-

Solution

- Integration with all facility processes, including with the main scales, materials management, waste permit procedures, contract management, and billing and cash desk
 - Support for production steps such as sorting and splitting
 - Automatic transfer of internal facility processes to the electronic operations log
 - Overview of plant maintenance
-

Benefits

- Low IT operating costs
 - Efficient weighing with optimized identification of relevant contracts, orders, and vehicles
 - Reduced resource requirements
 - Automated documentation
-

Learn more

Call your SAP representative, or visit us at www.sap.com/solutions/solutionextensions/wasterecycling/index.epx.



© 2013 SAP AG or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and other countries.

Please see <http://www.sap.com/corporate-en/legal/copyright/index.epx#trademark> for additional trademark information and notices.



The Best-Run Businesses Run SAP™