



SAP® WASTE AND RECYCLING

Green Light for Weighing and Recycling

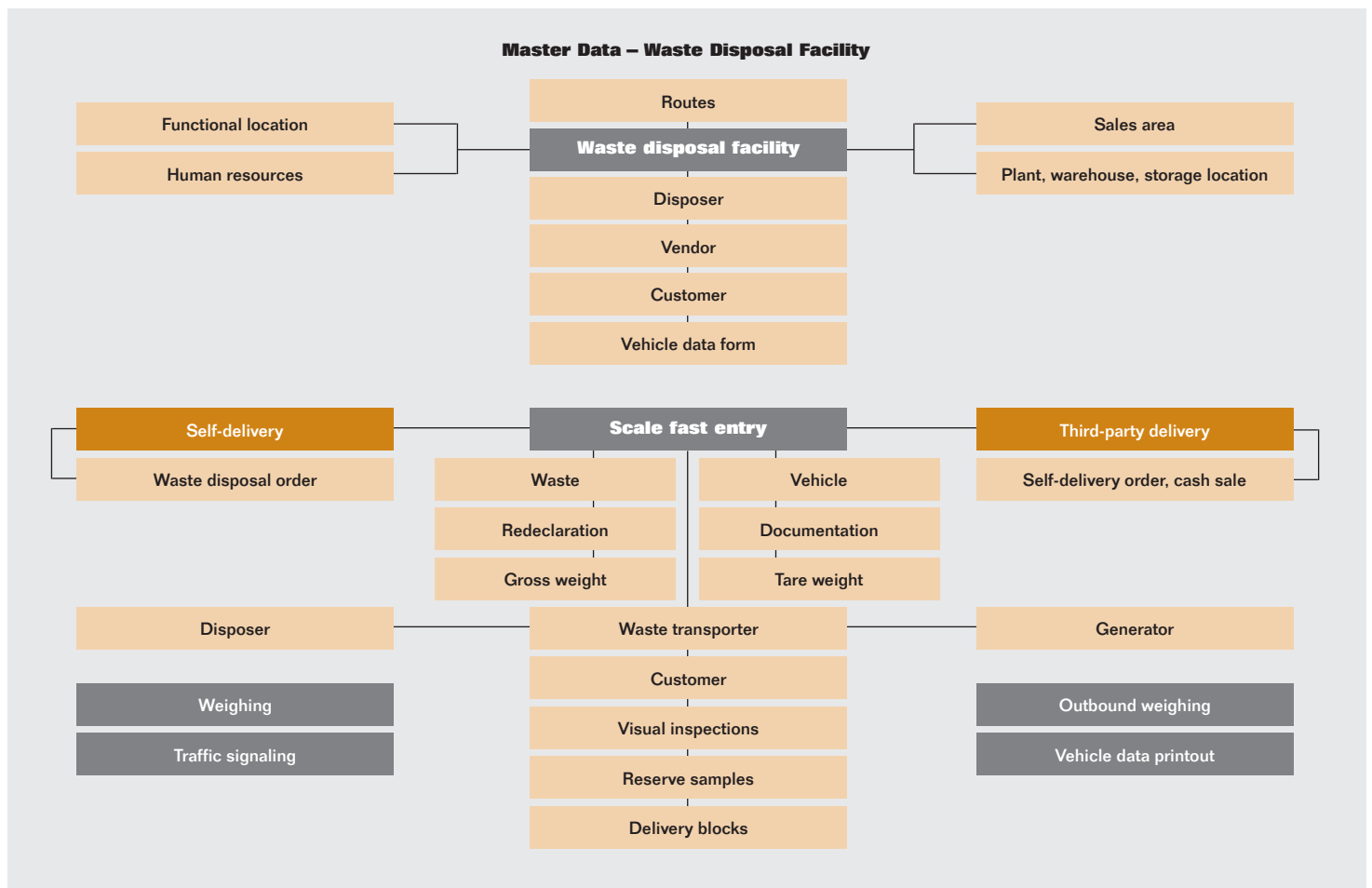
As a waste disposal company, your process flows must be integrated seamlessly if you are to rise to today's business challenges. You must find a way to realize the potential for integrating and optimizing management of downstream recycling processes. From the weighing of materials to the handling of the various processes within your facilities to the enterprise-wide control of material flows and business area coordination, the SAP® Waste and Recycling application provides the consistent, comprehensive process support you need.

Consistent Process Integration Speeds Up Material Flows

Intense competition, growing cost pressures, and ever more legal regulations – these are the current challenges facing the waste disposal industry. Companies are finding out just how important it is to deploy their own resources optimally. Cumbersome process flows cost time, money, and – in the worst case – market share, as the competition is also streamlining its processes. One major consequence of these increased challenges is that processes within waste disposal facilities have to run smoothly and reliably. The weighing process above all can prove to be a bottleneck, resulting in backlogs and increased costs. Additional backlogs and information losses can occur during control, management, and documentation of downstream recycling processes. What is needed is intelligent, universal process support to ensure that materials and information flow equally smoothly.

Seamless Integration of Scales into the IT Landscape

Integrating scales, which may themselves comprise multiple software programs, into the larger IT landscape has proven historically difficult due to the lack of a uniform communication standard; most scale software programs used proprietary protocols. Yet waste disposal companies require seamless data interchange between scales and the rest of the IT landscape in order to handle incoming vehicles and customers quickly. To achieve smooth data interchange, companies had to create additional interfaces for each scale software program – a big investment risk, as the creation and maintenance of such interfaces are both time and cost intensive, as well as prone to error.



The SAP® Waste and Recycling application eliminates all of these problems. The application helps you integrate your scales with your existing SAP software. This allows you to control the scales directly; with a simple mouse click you can record weighing results in the SAP software, control an existing traffic light system at weighing bridges, or work offline to manage your data. Automation reduces operating costs and extra maintenance. SAP Waste and Recycling features a user-friendly input screen that is custom-tailored to meet the demands involved in recording vehicle data and delivering loose waste – speeding up the weighing process for your transport vehicles significantly.

It is also possible to print vehicle data and sales documents effortlessly using SAP Waste and Recycling – again without any additional software. In addition, the application supports cash sales or sales by invoice upon external delivery through the proven sales and distribution functionality.

Direct Link to Materials Management

SAP Waste and Recycling lets you post and manage material flows recorded in the weighing process instantly. You can create detailed waste life-cycle analyses. Because materials must be transferred quickly during treatment, sorting, and storage, SAP Waste and Recycling provides specific materials management functionality that enables you to model all possible waste disposal requirements. You benefit twofold from the direct link between scale processes and materials management: you reduce costs while enabling near-time, enterprise-wide management of substance flows.

Success with Card Readers and Traffic Signaling

When a truck enters a waste disposal facility, it has to be identified. Likewise, the same truck must be identified again when it exits the facility following unloading and reweighing. This is usually a complicated, time-consuming task – but not with SAP Waste and Recycling. The application allows you to quickly identify vehicles managed by the SAP software through a self-weighing process that utilizes an ID card reader. Direct traffic signaling controlled by the SAP software enables you to utilize the optimal capacity of the scales. When a scale becomes available, the traffic light for the next vehicle can be switched to green directly from the weighing entry transaction currently in use. If a customer delivers waste other than that defined in the contract, that waste can simply be redefined on the scale. To control the quality of the delivered waste, you can easily take visual samples or reverse samples and record the results in the SAP software together with a weighing note. In the sampling process, you can assign numerous parameters and values to each sample. Depending on the results of your recordings, either a delivery block is set or the green light is given for the inbound delivery.

When the Data Line Fails: Offline Weighing

Your scales must remain constantly and properly functional. If the interface communication between the scales and the SAP software fails, the wait until communication is back up and running can become very expensive for the disposer. SAP Waste and Recycling provides an effective tool against such worst-case scenarios. The application allows you to integrate client software for offline

weighing so you can continue to record the data and store it offline until communication with the SAP software is working again. Once the connection between your client software and the SAP software is reestablished, you can simply synchronize the missing data.

More Efficiency Within the Facilities

SAP Waste and Recycling features comprehensive support for processes at waste and composting facilities. The speed of the scale entry process enables the efficient acceptance and out-bound delivery of any type of waste. Moreover, the application models all composting processes in detail, including pre- and postprocessing, compost delivery, and compost pile treatment. You can manage waste treatment steps such as waste hackling, mixing, and splitting easily. The application then allows you to post various material movements for source and destination storage bins accordingly.

Transferring, splitting, and mixing waste and recyclable materials are daily processes at waste disposal facilities. SAP Waste and Recycling simplifies the control, administration, and documentation of these processes. The application maps all the relevant data – including quantities, proportions, and source and target materials. Process templates are available to ensure accurate material management. They let you group recurring sequences of process steps so that they can be updated and documented consistently. You can adapt these templates to your specific workflows and change them with just a few mouse clicks.

You have come to expect superior integrated process support from SAP software. SAP Waste and Recycling is no exception. The application automatically transfers input and output data, posted initially in the software as a result of external and internal activities, to the electronic operations log. In addition, the application generates and manages shift log entries for each individual waste disposal facility. You can add any information that is not yet available in the software quickly through a user-friendly input template. A seamless information flow guarantees compliance.

How You Can Benefit from SAP Waste and Recycling

SAP Waste and Recycling offers integrated process support – from weighing and internal facility processes to the posting, documentation, and enterprise-wide control of material flows – that delivers the following benefits:

- Smooth, simple exchange of data between scales and the SAP software
- Integrated support for offline weighing
- Quick and easy identification of incoming customers and the ability to impose delivery blocks based on visual inspections and reserve samples
- Improved customer service and accelerated material input and output
- Efficient and comprehensive control and management of all materials movements at your disposal facilities
- Newly developed process templates – a powerful, flexible tool for process management
- Quick and effective compliance with legal documentation requirements such as maintaining operations logs and shift log entries

SAP Waste and Recycling simplifies, accelerates, and streamlines processes both at the gates of and within your waste disposal facilities. SAP Waste and Recycling keeps you one step ahead of the competition. The direct connection between the scales and the SAP software provides seamless integration with SAP functionality for materials management, plant maintenance, and sales and distribution, which opens new perspectives, including near-time management of substance flows, streamlined business processes, improved cooperation with business partners, and better coordination of your business workflows and business areas. SAP Waste and Recycling accelerates your business processes today and is the right choice for facing future challenges.

Find Out More

To find out more about SAP Waste and Recycling and the opportunities that this application presents for your company, visit our Web site at

www.sap.com/industries/utilities/brochures/index.epx.

Powered by SAP NetWeaver®

SAP Waste and Recycling is powered by the SAP NetWeaver® platform. SAP NetWeaver unifies technology components into a single platform, allowing organizations to reduce IT complexity and obtain more business value from their IT investments. It provides the best way to integrate all systems running SAP or non-SAP software.

SAP NetWeaver also helps organizations align IT with their business. With SAP NetWeaver, organizations can compose and enhance business applications rapidly using enterprise services. As the foundation for enterprise service-oriented architecture (enterprise SOA), SAP NetWeaver allows organizations to evolve their current IT landscapes into a strategic environment that drives business change.