



**SERVICING THE RECYCLING INDUSTRY  
FOR OVER  
30 YEARS**

A close-up photograph of a hand with the index finger pointing towards the left. The background is blurred, showing what appears to be a computer screen. A large green rectangular overlay covers the bottom right portion of the image, containing the product name in white text. The bottom left corner of the green overlay has a diagonal hatching pattern.

# **RECY SYSTEMS BUSINESS MANAGEMENT SOFTWARE**

**RECY SPEAKS  
YOUR LANGUAGE  
IN ANY  
LANGUAGE!**

Bernd Klarmann



# CONTENT

## BUSINESS MANAGEMENT

<b>ORGANIZE YOUR BUSINESS</b>	<b>4</b>
<b>INFORMATION AND INTERACTIVITY</b>	<b>5</b>
<b>CONTRACTS AND QUOTATIONS</b>	<b>6</b>
<b>PRICE MANAGEMENT</b>	<b>6</b>
<b>SCALES</b>	<b>7</b>
<b>RETAIL BUSINESS – SETTLEMENTS</b>	<b>8</b>
<b>SALES</b>	<b>9</b>
<b>INVENTORY MANAGEMENT</b>	<b>10</b>
<b>AUTOMATIC ACCRUALS</b>	<b>10</b>
<b>TRADING</b>	<b>10</b>
<b>CLAIMS</b>	<b>12</b>
<b>FREIGHT CONTROL</b>	<b>12</b>
<b>ELECTRONIC ARCHIVE</b>	<b>13</b>
<b>PRODUCTION</b>	<b>13</b>
<b>MANAGING FLEET AND CONTAINERS</b>	<b>14</b>
<b>FINANCIALS</b>	<b>15</b>
<b>PREVENTIVE MAINTENANCE</b>	<b>18</b>
<b>PURCHASE ORDERS</b>	<b>19</b>
<b>CUSTOMER RELATIONS MANAGEMENT</b>	<b>20</b>
<b>REPORTING, PLANNING AND SIMULATION</b>	<b>20</b>
<b>MOBILITY WITH iRECY APPS</b>	<b>21</b>
<b>IMPRESSUM</b>	<b>22</b>

## SOFTWARE PRODUCTS

<b>RECY®</b>	<b>6</b>
<b>RECY® ARCHIVE</b>	<b>13</b>
<b>RECY® MULCO</b>	<b>14</b>
<b>RECY® ACCOUNTING</b>	<b>15</b>
<b>RECY® POS</b>	<b>19</b>
<b>RECY® CRM</b>	<b>20</b>
<b>RECY® APP iRECY</b>	<b>21</b>

# BUSINESS MANAGEMENT

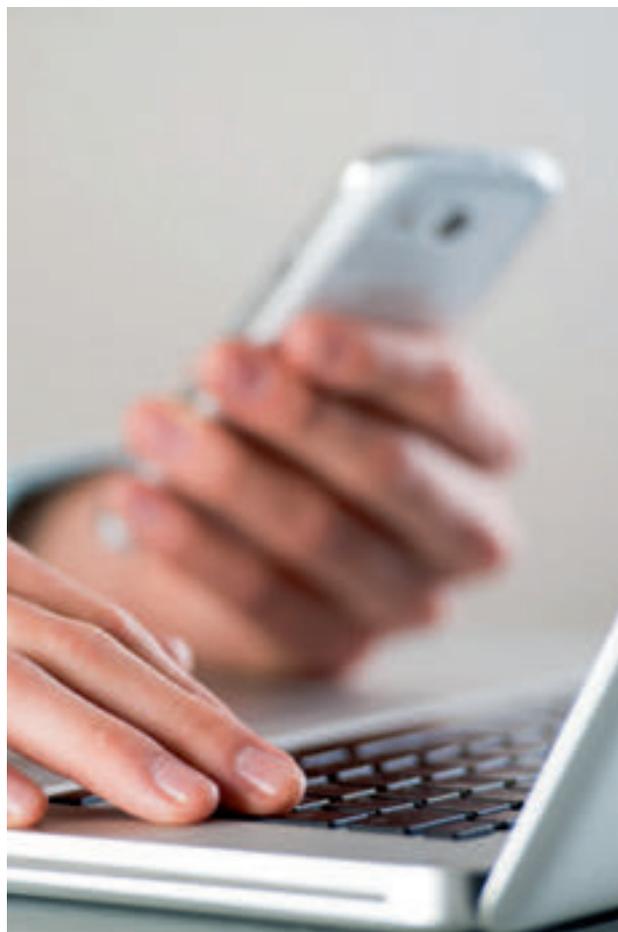
## Organize your business

**RECY** is a completely integrated business solution which enables you to organize your business in all areas making it transparent and controllable. Regardless whether your company has only one location or consists of many legal entities and sites, your data is always in the same database, secure and consolidated.

Inventory, contract positions, key figures for customers and vendors are as up-to-date as the last data input by a user, and include all areas of the business. This is the only way to keep control at all times.

In stark contrast to other software packages on the market, **RECY** was specifically developed for the recycling and waste management industry. You do not have to live with abstract terminology and strange business processes and concepts. **RECY** speaks your language in any language. The importance of vendors in your business processes is as well reflected in the software as the specific inventory management which is quite different from any other industry.

**RECY** manages contracts, logistics for trucks and containers, price management, retail business, integration with truck and platform scales, purchasing, sales, overseas containers, commodity trading, freight control, production, preventive maintenance and electronic archiving. The fully integrated financials are tuned to the specific requirements of the recycling and waste management industry. You can use the same account for buying and selling, or in accounting terms: for Accounts Payables and Accounts Receivables. The integrated credit limit control does not require that sales invoices are posted to Accounts Receivables. Credit risk is updated as soon as a truck leaves your yard with sold material.



**RECY** is perfected for the needs of a recycling or waste management business. This applies to small or mid-sized companies as well as large corporations whose revenue is in the billions. The software is so easy to use because it mirrors exactly the business processes of a company in this industry. But it still has the flexibility to be customized to the individual requirements of your business. Our implementation is so efficient and professional that a large corporation with more than 20 sites went LIVE with **RECY** within three months after installation. The stability of our application software and the database is matchless and highly appreciated by our customers. For example, our implementation is so efficient and professional that a large corporation with more

than 20 sites went LIVE with **RECY** within three months after installation.

The majority of companies which have **RECY** in use do not require their own IT department. The software provider is a reliable and cheaper option.

**RECY** runs exclusively on the Windows® Operating System and uses Microsoft's .NET platform and the programming language C#. Mobile apps are available on iOS and Android.

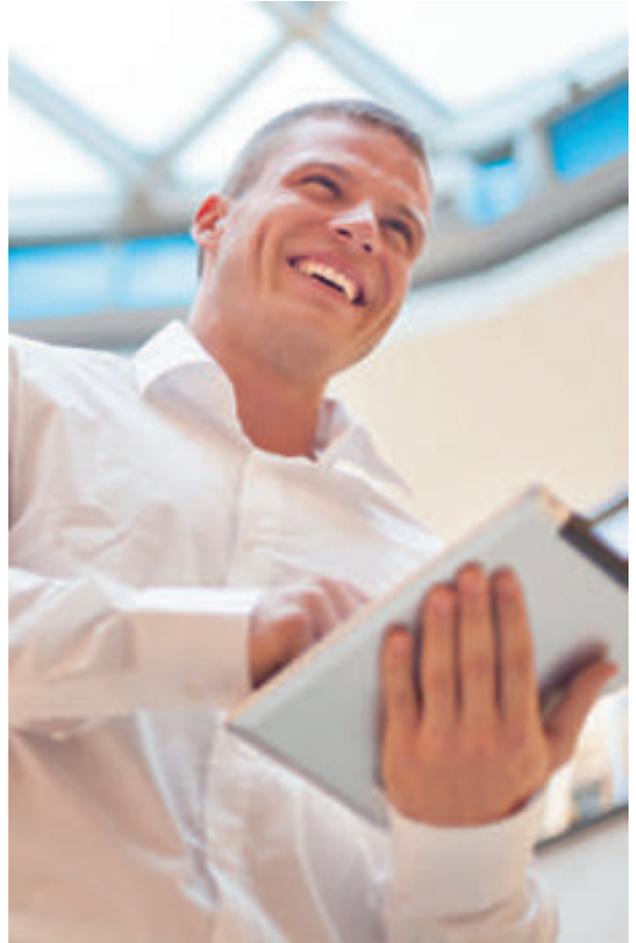
### **Organization and Software**

Even the best software is counterproductive if you do not optimise your organization together with the software solution. **RECY SYSTEMS** therefore invests a considerable portion of the implementation time into the optimisation of your business processes. Where needed, we adjust **RECY** to the special requirements of your organization. Several hundred man-years of experience in your industry make this task easier and guarantee success.

**RECY** enables through its flexibility and an extremely productive development environment a fast and easy integration and implementation of customized solutions. **RECY** adjusts regularly to changing markets and environmental laws because key players in the recycling and waste management industry use this software solution. On top of that, **RECY SYSTEMS AG** is a member of all important business associations and learns about new requirements at a very early stage.

### **Information and Interactivity**

Data which is always up to date, and the right tools to analyse it, gives you the information which you



need to be successful in the market, in the operative business as well as on the financial side of it. To make it perfect, **RECY** guarantees an effective control of your business transactions through an intelligent and interactive early warning system.

Managers, controllers, dispatchers and key users do not have the time today to study reports, no matter how well these are presented. They want to be directly informed about critical situations, and developing problems. Technology like smartphones and tablets are available and used by **RECY** to send this information promptly and securely to the authorized personnel. You can define the rules for this interactive reporting with us.

# CONTRACT MANAGEMENT

## Contracts and Quotations

In **RECY** you can create purchase contracts and sales contracts as well as quotations for the purchasing and selling of commodities. There is no limit to the number of items and text lines within a contract. Contracts can be based on yearly volume, metal content, or recovery percentages, and can be priced or unpriced with pricing linked to, for example, the London Metal Exchange (LME), or publications like AMM.

Contracts, quotations, fixations notices, and list of shipments can be sent by e-mail to your business partner. After authorization, a signature can be added electronically for truly paperless handling.

Contracts can also be created with our **iRECY** app using smartphones or tablets. A multi-level digital approval system provides security and transparency.

In combination with inventory and shipments, the contract position is updated in real time. This information is extremely important in the metal business. Position cannot only be controlled by group of metals or commodity but also on a contract level in trading activities. The software identifies whether you are long or short on a large contract, or if you are over a pre-defined risk limit, what is priced and what has to be fixed still. This information can automatically be brought to the

attention of the relevant trader through our CRM system and mobile app.

For trading, **RECY** provides results on shipment, contract and/or trader level, giving you an effective control of the business.

In regard to foreign currency, **RECY** has the options to link foreign currency deals with a physical contract. The linked rate is used for all shipments on this contract, and eliminates currency gain and loss, and provides an updated currency position at all times. It reduces risk, provides correct results, and easy reconciliation.

## Price Management

Flexible pricing in **RECY** allows for the very frequent price modifications in the recycling and waste management business. Prices can be made dependent from multiple criteria – commodities, customers, customer groups, date range, quantities, freight, distances, etc. – in any given combination. A customer can have hundreds of different prices for the same product each year.

A backward price modification – the customer has already shipped many loads to you in the month – can be handled without extra manual work. You just create a new price file entry and the program picks it up when the purchase invoice or settlement is processed.

Prices can be linked to base price or market price lists with a plus or minus adjustment for each customer or customer group. This provides more transparency and faster updates. Base prices can be updated through an MS-EXCEL® pricing spreadsheet or direct import from metal markets and publications.



# ELECTRONIC SCALES

## Scales

The integration of truck and platform scales with the associated work process and data flow is of utmost importance in a recycling or waste management company. **RECY** excels in this area by providing a perfect integration of different processes and ease of use by touch screen technology. Whilst implementing our software in your company, our staff spend a considerable amount of time with your scale operatives in the first days to ensure that this important work process is handled in the best possible way.

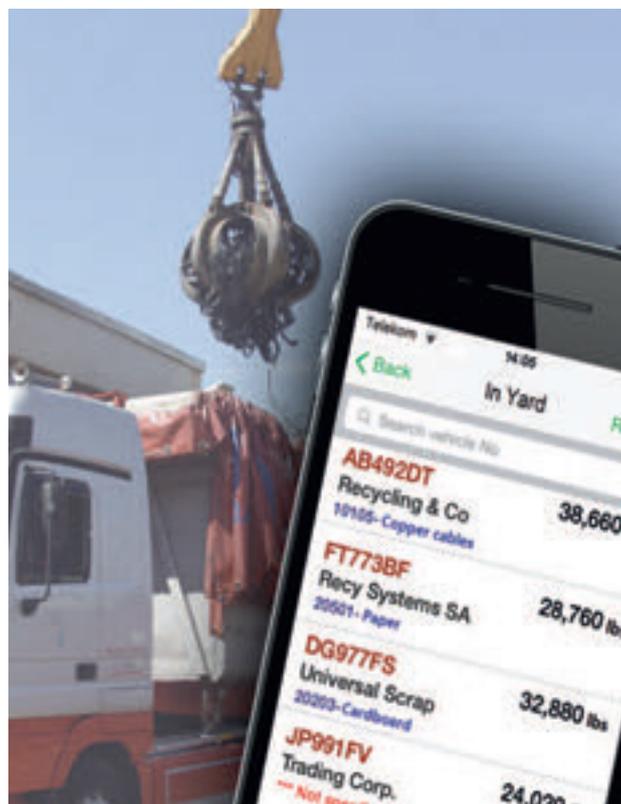
The weighing of a truck triggers a whole chain of events and provides the basic data for inventory, contract positions, cash/cashless purchases as well as purchase and sales invoices.

The more efficiently the work at the scale is organized, the faster the vehicles can be moved through the yard, leaving less work to be done in the back office. A good scale master can handle 60-70% of the administrative work in a recycling or waste management business if they use **RECY**, providing the data and price management is well organized.

**RECY** offers intelligent and fast procedures for the scale process which provide high security and good control at the same time. Automatic license plate recognition via cameras prevents mistakes. The weights are retrieved automatically from the scale indicator electronically. Our **iRECY** app **Mobile Grading** enables the yard personnel to grade material which is unloaded in the yard truck by truck, to add adjustments, take photos to avoid claims, and to speed up the flow of vehicles through the yard. It also helps eliminate potential security gaps.

When our logistics package **MULCO** is also used, vendor, location, truck, commodity, etc. can be retrieved directly from the dispatched run. With our **MULCO** app, a truck on the scale is automatically detected by the scale program as the scale location is geo-coded.

For platform scales, which are used for smaller weights and non-ferrous metals, **RECY** provides an extremely fast work flow, based on touch-screen technology, with all the specialities needed in this



area. For the sorting and evaluation of mixed metals and metal alloys, quality control features and interfaces to spectral analysis equipment are available. An IP camera can be integrated to take photos of the metal on the scale for later approval and pricing by the buyer. This is another step to prevent incorrect grading and guard against fraud.

# PURCHASES

## Retail Business

Cash/cashless purchases are daily practice in most recycling companies and require a well-designed and secure software solution. **RECY** provides a fully integrated electronic cash box, cash/cashless purchase tickets, cash sales documents, and the required work and data flow. The payment itself can be paid by cash (if allowed), cheque, PDQ, bank transfer, or by ATM. The customer can, if available, cash the money at an ATM machine located on the premises.

Cash box purchases can handle miscellaneous accounts where the name and address of the customer can be entered or, if previous business has been done, can be searched by name, license plate, or identity card number. Another solution is the use of specially designed scanners which take the ID of the persons selling to you electronically directly from driver licenses, ID cards, and passports. Compliance in some countries requires an extensive regulatory by state, municipality, and commodity, taking of photos of individuals and vehicles, and finger-prints. An electronic panel captures the signature of the person who receives cash and allows the automatic electronic archiving of the receipt.

All cash box transactions can be reconciled with a daily cash report and then posted automatically into the accounting system. The cash box balance on hand can be controlled at any time during the day.

## Settlements

In most countries, self-billing for the received material and services is allowed and is well used in the recycling and waste management industry. The recycling company prints the self-billing purchase

invoice for the vendor. This eliminates control and manual posting of external purchase invoices. The purchase invoice – the term settlement is also used frequently – is based on previously negotiated prices or contracts, and the scale tickets which the vendor has received when the commodities were picked up or delivered by the vendor.

Numerous requirements of the industry, often dictated by environmental laws of the country, are handled in **RECY** for full compliance. The automatic separation of merchandise and service items in



expenses (payables) and revenue (receivables) on two separate documents due to positive and negative prices is just one of many specialities in this industry.

Many companies pay the vendor by cheque which is mailed out with the settlement. This means payment outside of the accounting system, which creates a problem for most accounting packages, but not for **RECY Accounting**. **RECY Accounting** flags the purchase invoice as paid and therefore does not create a payable for it. The cheque is added to the cheque book, and can be cleared by an automated data import after being charged to the bank account.

# SALES

## Sales

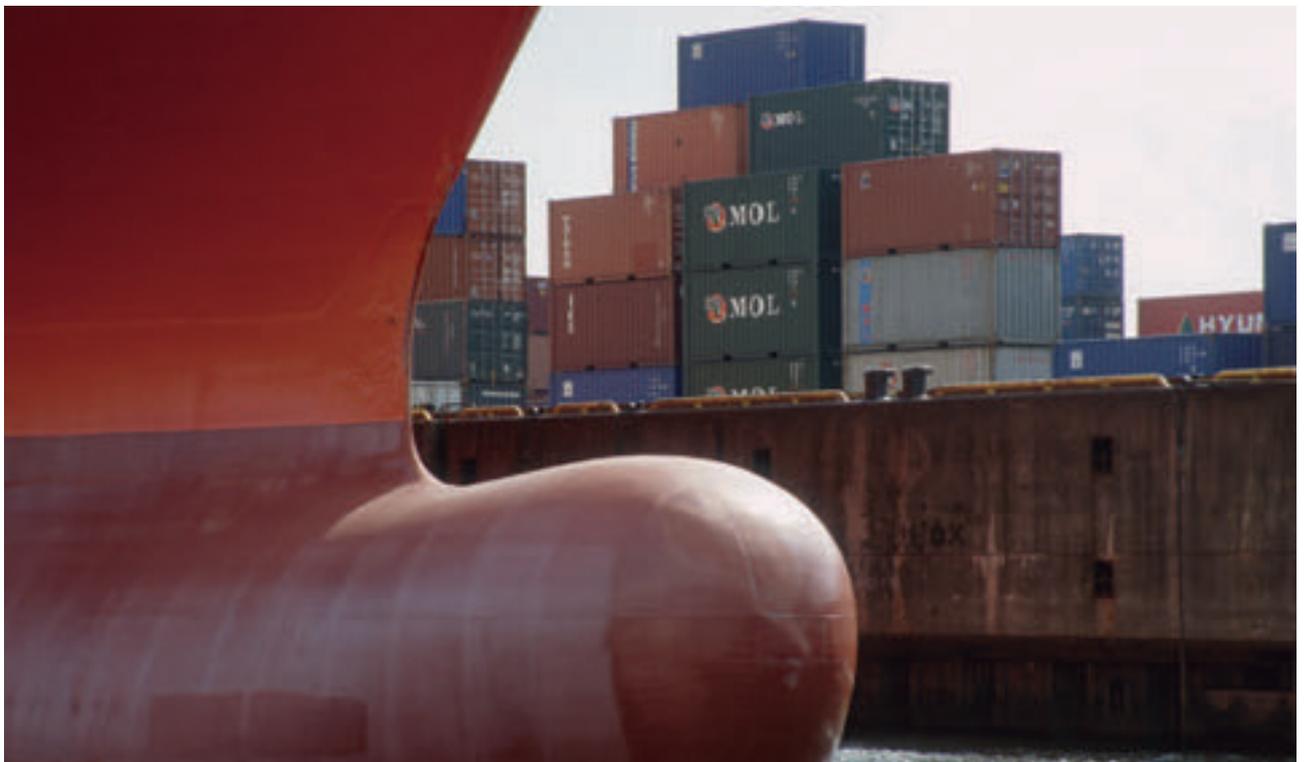
Sales shipments are handled through the scale program in **RECY** if they leave from the yard, or in the back office in the case of trading. Prices are retrieved from a contract or linked to a price file. Shipments are submitted to a tight credit limit control which is enabled through **RECY Accounting**.

All industry or country specific requirements are fully met by **RECY**. The complex regulations within the European Union – like intra-community deliveries, triangulation, EU service charges, etc. – are controlled by multiple tax codes and a tax matrix according to the European laws.

For overseas shipments, **RECY** has a separate module which supports the container business and booking requests, and produces all relevant shipping documents like bill of lading, pro-forma

invoices, certificates, customs documents, packing lists, insurance, letter of credits, etc. All documentation can be created with MS-WORD® or Open Office, using fillers which are replaced in the printed documents by all relevant data from **RECY**. This provides the enormous flexibility which is needed in this area. Interfaces to specific portals like ATLAS, AES, CAED which send data directly to customs and harbour authorities eliminate errors and duplications.

For the exchange of data with steel or paper mills, EDI processes are available. As the consumer weights are binding for the invoice in this industry, this data exchange is very important. For the manual adjustment to consumer weights, separation into multiple commodities, claims, freight charges, etc., **RECY** provides an optimized program with powerful functionality.



# INVENTORY MANAGEMENT



## Inventory Management

Inventory management in a scrap recycling company can be considered as one of the most demanding in the industry. This is due to the fact that you do not buy, process and sell clearly defined products which are easily identifiable. In this industry you buy commodities which are sorted, separated, or processed and re-classified. Inventory is not only built through purchases but through transfers based on various production and sorting processes.

The inventory is updated as soon as it is received in your yard, and the truck or railcar leaves your scale. The received goods are priced reliably through multi-dimensional price management, or through linking them to a contract, a market price, or the weighted average value in the inventory. The standard evaluation method used in the recycling industry is the Weighted Average method.

Direct cost like freight, tolling, or production can be linked to the commodity value at any time. You can start with a calculated or expected cost and later allocate the effective cost through freight control or other processes.

The inventory in the accounting system can be updated at month closing through an automated program. **RECY** either posts the cost of goods sold, or just the inventory gain or loss depending on your accounting rules.

## Automatic Accruals

**RECY** automatically generates accruals for purchases, sales, freight, etc. when you close the period based on non-invoiced shipments and calculated cost. The accruals are automatically voided in the following fiscal period, so there is no problem with reconciliation. The automatic accruals enable you to close a fiscal period early in the following period, and provide a precise cut-off, and accurate results.

## Trading

Some of the largest trading companies in the recycling industry are using **RECY**. A complete suite of programs and functions were added to the application for these clients. This includes the linkage of purchase and sales contracts in a true m:n relation. The broker can dispatch the shipments, generate the necessary shipping documents and order transport. They have continuous control of their contract position, for individual large sales orders as well as for the different commodities in total.

**RECY** automatically creates corresponding transactions on the purchase and on the sales side which are updated through a complete work flow with weights and values. The **RECY Online** module has further functionality. With this the vendors can link via a secure Internet connection to the database of the brokerage company, view their

# TRADING

contracts, and can dispatch shipments by truck or rail. The vendor does the work for the broker in this case as the purchase contract is linked to the sales order internally, and all relevant data is added automatically. The broker has only to update the consumer weights, and handle other adjustments which are copied to both sides of the deal.

**A true business-to-business solution!**

The margin on brokered deals can be controlled on every level: by shipment, contract, project, consumer, and by vendor. The existing data structure allows complete and valued analysis.

The linkage of contracts also supports the pricing of intra-company and inter-company transactions, a functionality supported by **RECY** in a unique way. Especially larger companies with multiple sites



which are moving material from feeder yards to production sites which operate equipment like shredders and shears. It is important that the intra-company or inter-company purchase and sales transactions are synchronized to prevent a discrepancy in value and headaches in the consolidation process.

The **RECY** module **Commodity Trading** module is a valuable add-on for pure-bred commodity traders. This powerful solution covers all bases of this business and provides future contracts and forex deals. These contracts can be allocated to the physical trades. This allows a mark to market (M2M) evaluation at any time, even visible directly in the physical contract itself. Complex pricing routines support any type of pricing options (Average, multi-currency, TAPO, etc.) and fully automated pricing. Daily market prices and foreign currency rates are directly imported from the exchange. Other notable functionality: management of broker accounts, future settlements, pricing reports, physical and futures M2M reports, M2M history. These functions and seamless auditing of all transactions and database modifications give the commodity trader a fantastic tool for managing positions and risk in real time.

# CLAIMS

# FREIGHT CONTROL

## Claims

Claims are more common in the trading with secondary raw material (scrap, metals, paper, glass, etc.) than in other industries. This is caused primarily by the regulation that the consumer weight and evaluation have to be accepted in this industry. Another reason is that the quality of the commodities varies due to the purchased material and the production process.

**RECY** provides the functionality to allocate claims on quantity and quality of the delivered material as well as additional freight and other cost to the original shipment. For each claim on the sales or purchase side a credit or debit note can be printed and posted. The note is automatically linked to the original invoice so that payment and payment deductions can easily be applied. An electronic multi-level approval for claims prevents the misuse of claims.

The detailed claims data can be used in reports to analyse and evaluate quality and performance of consumers and vendors.

## Freight Control

Freight is the largest cost factor besides material and production in a recycling or waste management business. In trading it can make or break a



deal. It is therefore highly important that the trader can find the best available transport, and that the freight cost is closely controlled. **RECY** provides exactly the right tools for you. The system stores freight relations between pickup locations and destinations by transport company, freight type, and effective freight cost, and provides up-to-date information to the logistics department.

Freight and other direct costs like harbour fees, surveyor, insurance, landfill, etc. can be added at contract level with the calculated or previous value. At the time of the shipment these costs are updated if necessary. The invoice from the transport company can then be electronically matched with the freight on record for the existing shipments. This method prevents any incorrect or duplication of charges. As the freight bills are automatically posted after control, the accounting department is only involved with the payment of the bills.



With the **Fleet Control** module, internal freight cost for picking up material is automatically collected and added to the inventory value. The internal freight expense is compensated with an internal freight revenue which is credited to the transport department and can be used to measure the efficiency of your fleet.

Numerous reports allow the detailed analysis of freight and other direct costs and also monitor the performance of your freight carriers.

## Electronic Archive

All documents printed in **RECY** as well as photos, cash reports, daily entries journal, and a number of other reports are automatically stored in our Electronic Archive. This is not a third-party product like with most other packages but it was developed by us and is in our control. This archive saves many hours every day as you do not have to search in file folders, paper archives, and gives you the fastest return on investment of any software package on this market. It saves also a lot of paper



and toner cartridges by reducing the number of printed copies. Contracts, invoices, scale tickets, etc. can easily be retrieved in this archive, and reprinted or emailed if required.

The relevant buyer will not be able to control effectively received material and approve and price it without the help of photos. The photos in the electronic archive are available with a right-click in any relevant program in **RECY**.

Customers who have implemented the Electronic Archive have reported a return on investment period of less than three months.

## Production

Production can be processed in **RECY** by specifying input and output commodities. These entries automatically create production transfers and update inventory. Optional production cost can be capitalized, depending on the equipment, and posted to accounting at month closing. The production cost credits the cost center for the production equipment, and this can be used to control the efficiency of your production.

**RECY** offers integrated solutions for production equipment like shredders, shears, cranes, balers, sorting belts, non-ferrous separation, etc. The production data can be collected with an **iRECY App** Collection of Operational Data, or through direct interfaces with the process control unit of the production equipment.

The information on production volume, down times, and trouble analysis can optionally be transmitted via email to management. Extensive reporting allows more analysis and cost savings in the production area.

## Managing Fleet and Containers

**RECY MULCO** handles the logistic requirements of a recycling and waste management business. The dispatch, based on touch screen technology and graphical presentation of unscheduled and scheduled orders, is the heart of the system. If the **Fleet Control Module** (a telematics solution) is also used, the dispatcher can send the scheduled runs directly to the driver in the truck cabin.

Full integration with **RECY** truck scale and invoicing modules optimises the work process and reduces work and stress for your staff. Service charges for pick-up, transport, landfill, and container rentals can be automated and either deducted from the value of the received material, or create a separate sales invoice.

The telematics solution **Fleet Control** supplies the dispatcher with information about the current location of a truck and its speed, truck routes, distance to the location, and duration of runs as well as unexpected events like traffic jams, breakdowns, or driver stops. This is achieved by using a mobile device with GPS. The driver can communicate with the dispatcher through a tablet in the truck running the **MULCO app** which we developed in-house. Events like start of run, arrival at the customer location, waiting and loading times update the graphical overview on the dispatcher's computer screen. The permanent online recording of truck movements provides a seamless documentation and analysis of truck routes. The driver can use the **MULCO app** for taking weights without leaving their truck when they pull up on a truck scale and the staff have already left for the day.

Your containers can be equipped with passive transponders. By using a mobile RFID device, the truck driver can record the current location of a

container and any movement to another location. The RFID device communicates with the **MULCO app** and transmits container data immediately to the database. This is the only effective solution for tracking individual containers.

Transponders, RFID and **MULCO app** are integrated to provide an optimal solution, but can be used independently, depending on the objectives of your company.



**RECY MULCO** not only offers numerous high-tech solutions with favourable cost-efficiency ratio, but we also develop tailor-made solutions for any special logistical requirement. We provide the project management and the guarantee for a fast and successful implementation. Examples of such solutions are on-board scales, confidential shredding, and control of fill level in containers with dangerous liquid.

# RECY® ACCOUNTING

## Financials

Our accounting package is different from other accounting software in two major areas. The first, is the fact that it was **developed specifically for the recycling and waste management industry**, and covers all requirements of this industry. The second, is the fact that it is completely integrated into **RECY** which was also developed exclusively for the recycling and waste management industry.



Up to 90% of all accounting entries are generated automatically from **RECY**, logistics and automated payments. This includes, for example, cash box purchases as well as automatic cost allocation for internal freight and production.

Each accounting entry, regardless if it is manual or automated, immediately updates the balance sheet and – if applicable - profit & loss reporting. There

is no practical restriction in regard to the number of open fiscal periods. All monthly figures can be reported forward and backward for any given period for which the system was used. This makes the closing of fiscal periods extremely easy for the authorized user. As all detail is also stored in the same consistent way, our accounting system meets the requirements of the most demanding reporting rules, for example, the Sarbanes-Oxley Act of 2002 in the United States.

Open and paid receivables and payables are available in the Account Receivables and Account Payables history table which enables any cut-off date for reports like aging or payment analysis.

The package provides cost center and profit center allocation with extensive reporting which can be customised to the requirements of the users. The profit center reporting uses only data from **RECY** up to the gross margin. This includes quantities, values and prices for purchases, sales, inventory, freight, and other direct cost. Combined with the allocation of expenses and income posted directly in accounting to the various profit centers, a simple reconciliation between accounting and inventory management system is provided.

With the integrated **Document Management System DocuBizz**, developed and owned by the Danish software vendor DocuBizz ApS, external documents which are not produced in **RECY** can be accounted directly in the document and are posted automatically to **RECY Accounting** after completed approval. A link back to the **DocuBizz Archive** allows you to view external documents from all relevant programs in **RECY Accounting**.

All documents generated through our software are automatically indexed, converted into PDF files, and stored immediately in **RECY Archive**. Docu-

# RECY® ACCOUNTING

ments can be audited electronically without retrieving them from a filing cabinet.

Parallel to your local currency you can work in a separate reporting currency. Currency rates can be maintained on a daily, monthly, or yearly basis. All rates are kept historically and chronologically. Optionally you can revalue your receivables and payables with a new currency rate at the end of the fiscal period, and create automated entries for currency loss and gains. Realized currency gains and losses can be calculated and posted automatically when cash is applied.

**RECY Accounting** has the functionality to import electronic bank statements, apply payments automatically to receivables and general ledger accounts through an intelligent and adaptive



learning system. To make this work efficiently, though, the electronic bank statement has to provide information about the source of the payment. If this is provided, the success rate for creating automated entries can be as high as 90%.

The accounting package has standard reports for balance sheets, profit & loss, and other fiscal output. Additionally a very flexible report generator is provided. This is based on account balances and **RECY** data which can be downloaded into an Excel® spreadsheet. We have chosen Excel® because it is the best known reporting format and most widely used.

For planning and simulation we provide an integrated Business Intelligence/Data Warehouse solution based on Cognos® through our joint venture **RECY MBI GmbH**. Budgets and KPIs are using effective data from **RECY** and **RECY Accounting**, and optionally, third-party systems.

Through multiple parameters, country specific VAT codes and master data, we guarantee compliance to tax and environmental laws of currently 24 countries in which **RECY Accounting** is used.

Through consolidation companies you can run consolidated balance sheets, and profit & loss as well as profit center reports. Also available are consolidated receivables and payables, aging reports, and cash flow forecasting. Through this you are able to control the payment practices of your customers efficiently. This functionality is built into the application and does not need complicated consolidation set-up or special batch processing.

The integrated **Fixed Assets** module creates monthly entries for depreciation which are posted

# CUSTOMER AND VENDOR – ONE ACCOUNT



automatically in **RECY Accounting** using the general ledger accounts and cost centers from the assets. This module provides simulation of depreciation and asset values over any period of time.

## Customers and Vendors

In the recycling and waste management industry it is quite common that you buy from and sell to the same customer. Accordingly you have receivables and payables with the same account. It is therefore very important to have Accounts Payables and Accounts Receivables on one account, and that you have the ability to net off receivables from your payables for payments. As this is restricted in some countries, this function is parametrized down to the account level. In any case, receivables and payables are not netted in the balance sheet but shown separately for every account. **RECY Accounting** is based on this One Account Concept and provides simplicity and transparency.

You can choose if you want to open new customer and vendor accounts through **RECY** or through **RECY Accounting**. In either case the record is kept only once, in the same database table, accessible from all our applications - the perfect integration. Access to accounting related data like general ledger control accounts, tax numbers, credit limits, etc. can naturally be restricted to authorized users.

Customer and vendor accounts can be kept in any number of currencies. Foreign currency deals are part of the contract administration. Currency control and balance sheets in different currencies are standard reports. The currency position is up-to-date at any time.

Payment terms can be set on a contract or invoice level. Industry-specific terms like 20th of the month following the shipment can be defined very easily. The cash forecast does not rely on the payment terms used on an invoice, though. The



program analyses the payment practice of each customer, as many years back as you wish, and uses the effective days until payment for the reporting. This results in almost impeccable cash forecasts.

The cash allocation of a customer payment uses an intelligent algorithm which results in an automatic

# PREVENTIVE MAINTENANCE

allocation in most cases. The age of the open invoices is just one of the criteria. The netting of payables with receivables practised by the customer is one of many industry-specific functions. Optionally you can use a download provided by



your bank to apply customer payments to your receivables.

Account statements, payment reminders and confirmations are other functions of the program. The text lines used for these documents can be set up individually. Fees for late payment and interest can be charged by simply defining them in your text lines. Account statements and payment reminders can be emailed to the customer directly from within the program.

Automated payments are an integrated standard function of **RECY Accounting** and do not have to be purchased as an additional module as with so many other accounting packages. With a simple work process you can put all invoices which are due for payment into a payment run. There you

can make necessary modifications, for example, removing invoices which you do not want to pay, make partial payments, or add invoices which are not yet due but you want to pay. You can also use different bank accounts for those payments based on available cash and your credit limits. The payment can be made either by cheque or by electronic bank transfer. For electronic transfers you can also print a remittance advice which can be faxed or emailed to your supplier.

Receivables and payables can be reported with any given cut-off date. We keep all records in a separate history table which allows long term analysis and flexible aging reports.

## Preventive Maintenance

Every production manager knows the importance of preventive maintenance. Nothing is worse than an unexpected down-time for a shredder, shear, or baler due to lack of maintenance. This can cause more than a headache if shipments of prepared material have to be done “just-in-time”. The damage can be considerable.

With **RECY PM** maintenance for all kinds of equipment can reliably be scheduled, and detailed work orders with the necessary resources and spare parts can be prepared. Through the integration with the production and inventory management, efficient scheduling is possible, and critical spare parts can be ordered in time.

Our **iRECY app for collection of data for production and moving equipment** provides the necessary input (miles, operating hours, production volume, etc.) to trigger work orders for preventive maintenance. This app also generates reliable data for cost analysis in our **RECY MBI** system.

## Purchase Orders

Besides buying secondary raw material, your company also buys supplies for production, office and general operations. With **RECY POS** we provide a solution to generate purchase requests and purchase orders for these supplies, as well as spare parts, equipment, fuel, services, etc. Requests are created very easily by copying previous purchase orders. The system supplies lead times, figures for consumption and inventory, prices, preferred suppliers, and a lot of other necessary data. The approval for purchase orders can optionally be done through HTML files and email, or through our **RECY CRM**. Management does not have to use the software for the approval. They receive the purchase requests by email and can approve this by checking off electronically the HTML file which



contains the detailed description of the requested purchase. For purchase orders which have to be approved by more than one person in the organization, the process can include multiple levels where the second level person, for example, can see the approval of the first level person and their comments in the email.



The buyer can access all supplier and product information and can even use a web-based buyer's guide of his own choice for product sources. The preferred platform can be configured. Previously issued purchase orders and purchase invoices can be pulled up through **RECY Archive**.

**RECY POS** does not only handle purchase orders, but also provides effective control of the received goods inwards along with the invoices. The purchase invoices are automatically posted to **RECY Accounting** after control and release. Inventory management is optional, but has many very useful features. Parts or supplies can be labelled with a barcode tag, which can be used to allocate consumed products to a department or cost center with average cost price as soon as it is removed from the warehouse.

## Customer Relationship Management

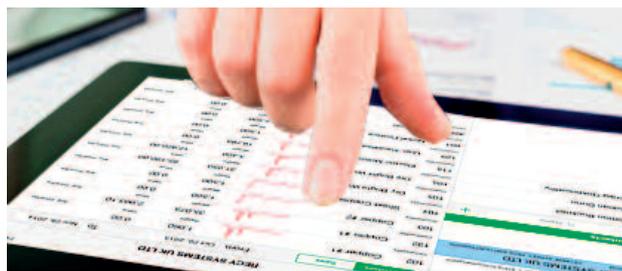
For some time, active marketing has been utilised in the recycling and waste management industry. Instead of creating interfaces to the numerous packages on the market, we decided to develop and offer a solution which is integrated into our ERP system and provides easy access to business data directly from **RECY**, **RECY MULCO**, **RECY Archive**, and **RECY Accounting**. The real-time data is up-to-date at any time. Fax, email, phone systems, and Microsoft Office® products are also integrated.

We recently added a mobile version to **RECY CRM** which we named **iRECY**, which runs on a tablet. It is the perfect tool for organizing your valuable customer data and your whole external and internal communication. When your buyer is visiting a customer, they can retrieve this customer's business transactions and volume, contracts, and prices with a swipe of their finger. Keep in mind that we have solutions for nearly every spectre of your business, and then imagine what it means to access all the data created in these various applications through one single, easy-to-use program. You will then fully appreciate the uniqueness of this **RECY CRM** solution.

An unlimited number of contacts can be linked to a customer with additional criteria, business and private data. Activities can be classified in groups and can easily be created and connected to the customer, or to a contact. The activity can be scheduled and distributed to other people in your organization. The software will remind you of important deadlines or activities ahead of time. You can link quotes, letters, faxes, emails, and phone calls to the customer or contact. In short, you can do everything which improves the information flow, transparency and relations with

your customers and colleagues. No more searching for correspondence with a business partner in mailboxes, document folders, or filing cabinets. Everything is organized and linked to the right person in one central place. It goes without saying, as with all **RECY** applications this comes with protection for security and privacy.

The software can be linked to IP telephony systems, so you can dial out from the CRM screen, or you receive automatically the related information if a call comes into your desk and the software recognizes the caller ID.



## Reporting, Planning and Simulation

Our concept in regard to reporting can be summarized in one statement: the users must be able to produce all reports and journals which are required for the daily business directly out of **RECY**. This includes reports for contracts, dispatch, inventory, prices, container shipments, etc. All browsers in **RECY** have drill-down features and provide extensive control and analysis of data. We make sure that the data shown in the reports is reliable and auditable.

For even more detailed and flexible analysis, for planning and simulation, our data warehouse solution using Cognos®, integrated into our ERP system, is indispensable. The flexibility and power of this Business Intelligence tool is unrivalled. With

# MOBILITY WITH iRECY APPS

cubes and dashboards the existing data can be analysed from all angles, and can optionally be compared with budget data. Another powerful feature is the simulation which answers questions like **What if?**



## Mobility

With **iRECY**, people throughout your organization can access up-to-date business data through their smartphone or tablet whilst travelling outside the office. Your traders are able to view, update, and create contracts, and approve them by email. The back office is just responsible for control and completion in **RECY**. This will help you to have an accurate metal position in a very short timeframe.

With the **Mobile Grading** functions of **iRECY**, the yard master can control and grade the material which is unloaded from the trucks and loaded on trucks with a smartphone. The smartphone is linked to the database by Wi-Fi or GPRS. The app can also be used for grading of sorted material after the truck has left.

The **MULCO App** provides communication between dispatcher and truck drivers electronically. The truck driver receives run orders directly on a tablet in the driver cabin. Time needed for a run, wait and load times, times for events not related to a run, etc. are reliably documented. This data provides an

analysis for the efficiency of your truck fleet and drivers as well as the cost for servicing your customer locations. The driver can also collect signatures and photos with the app. In addition, the app will communicate with RFID devices for tracking of containers and bins which can be equipped with UHF transponders.

Then there is the **CRM app** in **iRECY** which we have already presented in the CRM section of this brochure. There are many more apps to come and, in fact, we developed already customized solutions for electronic recyclers, confidential paper shredders, and others based on mobile apps.

## Security and Data Protection

Due to the flexible menu and program administration in **RECY**, a user can only access programs which are on their menu and which their user role allows. Within each program there are options to restrict functions to a necessity. Their role may allow them to view the data, but not modify or add data. Most programs have additional safety features. So a user from one site cannot view data from any other site, if your company policy requires this.

All modifications of data are logged automatically by an audit system which provides information about by whom and when a modification was done. Previous and new value are included in the audit reports and browsers. The audit system can even notify a person who is responsible for a customer when, for example, critical contract data has been modified.

The data and information of your company is treated strictly confidentially by us. Remember the recycling industry is the only industry we serve.

# IMPRESSUM

**Publisher:**

**RECY SYSTEMS AG**

Weihenstephaner Straße 1

D-85716 Unterschleißheim

Phone +49 (0) 89-32 71 54-0

Fax +49 (0) 89-32 71 54-44

info@recy-systems.com

www.recy-systems.com

WINDOWS®, WORD®, OFFICE® AND EXCEL® ARE REGISTERED  
TRADEMARKS OF MICROSOFT CORPORATION.

COGNOS® IS A REGISTERED TRADEMARK OF IBM CORPORATION.

**Design:**

arite design . werbeagentur

Römerstraße 15

A-5081 Anif

info@arite-design.at

www.arite-design.at

**Photo:**

fotolia

Image Source

MEV

Recy Systems AG

Wagner-Gruber, Arite

printed on recycled paper



© 2015 RECY SYSTEMS AG

All rights reserved. No part of this publication may be reproduced in any form or by any means, whether electronic, mechanical or otherwise including photocopying, recording or any information storage or retrieval system without the prior written consent of the Publishers. While every attempt is made to ensure the accuracy of the information contained in this magazine, neither the Publishers, Editors nor the authors accept any liability for errors or omissions.



### **Over 30 years of service of the recycling and waste management industry**

Global market leaders for more than 30 years as a solution provider for the recycling and waste management industry - this is an incredibly long period in the software world.

The reasons for our continued success are the focus on your industry and the high quality of our software products. To be a reliable partner for our customers in their software and organization processes, was the most important objective in the past 30 years, and will continue to be so in the future. This includes a first-class support, the continuous further development of our products in regard to functionality, reliability, user-friendliness, and use of the latest technology.

**RECY SYSTEMS** does not plan to diversify into other industries. The focus on your industry guarantees that we will always be in the forefront of market developments and environmental laws in all countries in which we have customers. We will remain the best qualified partners for our customers and prospects, and will help them to solve all challenges which can be solved by intelligent software and good organization.

### **RECY SYSTEMS LLC**

11616 Southfork Drive, Suite 204  
Baton Rouge, LA 70816 USA  
Phone: (225) 810-3115

### **RECY SYSTEMS UK LTD**

St. George's House, George Street  
Huntingdon, Cambridgeshire  
PE29 3GH United Kingdom  
Phone: +44 (0) 1480 426535

### **RECY SYSTEMS SA**

62, Rue Prince Henri  
7230 Helmsange, Luxembourg  
Phone: +352 27 620 720

### **RECY Netherlands**

Postmastraat 8  
4105 DW Culemborg, Netherlands  
Phone: +31 646 718 691

### **RECY SYSTEMS Slovakia, s.r.o.**

Alexandra Rudnaya 21  
010 01 Zilina, Slovakia  
Phone: +421 41 7242166

### **RECY SYSTEMS AG**

Weihenstephaner Straße 1  
D-85716 Unterschleissheim  
Phone +49 (0) 89-32 71 54-0  
Fax +49 (0) 89-32 71 54-44  
info@recy-systems.com  
www.recy-systems.com

