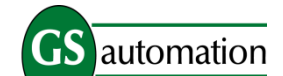




Vertretung Deutschland



GS-automation GmbH
Winterstraße 2
D-82223 Eichenau b. München
Tel.: 08141/357 31-35
FAX: 08141/357 31-38
E-mail: info@gs-automation.de

Click Reply™ - Warehouse Management





Click Reply™ WM





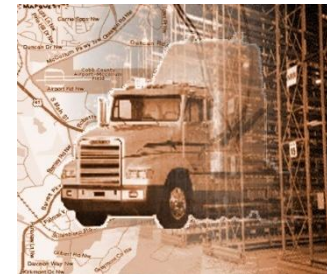
- Sites/Plants
- Locations
- Maps
- Logistic Providers



- Products
- Customers
- Suppliers
- Carriers



- Keeping Unit
- Inventory
- Batch
- BoM



- Orders
- Delivery
- Trips



- Jobs
- Resources
- Devices
- Tools

Receiving

- ASN
- Accounting Rec.
- Physical rec.
- Cross-docking
- Returns
- Quality Control
- Quantity Check

Putaway

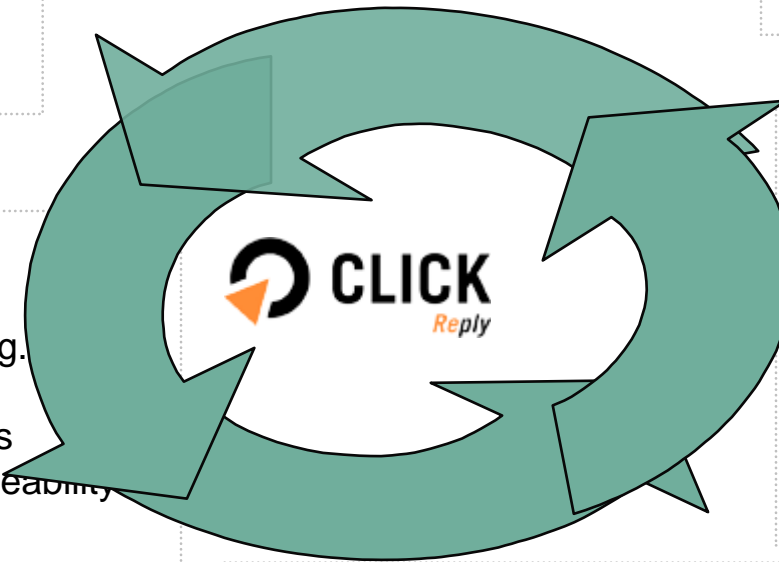
- Labelling
- Mono or Multi SKU
- Automatic Slotting
- Multi Step Jobs
- By Pass

Management Tools

- Package Configuration
- Access Control
- Report Writer
- Reporting
- Multi Languages
- Scheduling

Inventory

- Multi Sites Manag.
- Multi Ownership Manag.
- Consignment Stock
- Accounting Movements
- Batch Manag and Traceability
- Kitting
- Quarantine
- Reserved Picking Locations
- Random Strategies
- Stock Levels



Picking & Shipping

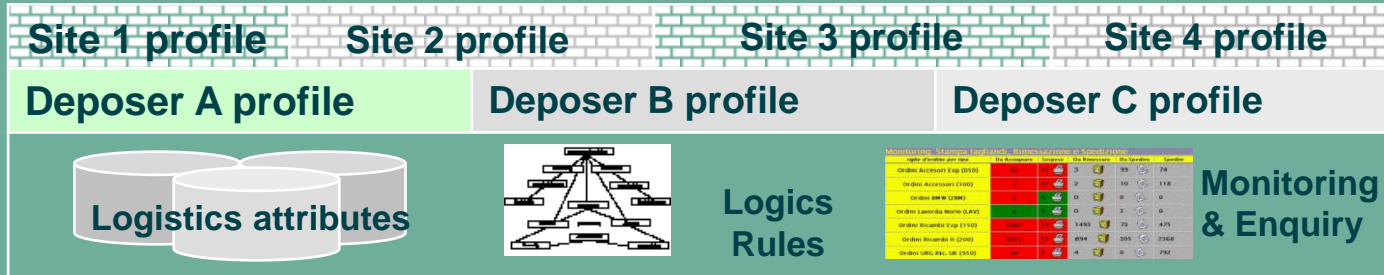
- Order or wave picking
- Container picking
- Pick and Pack
- Batch picking
- Forward & Dynamic picking
- Multi Step Jobs
- Delivery Notes
- Bordereaux

Interfaces

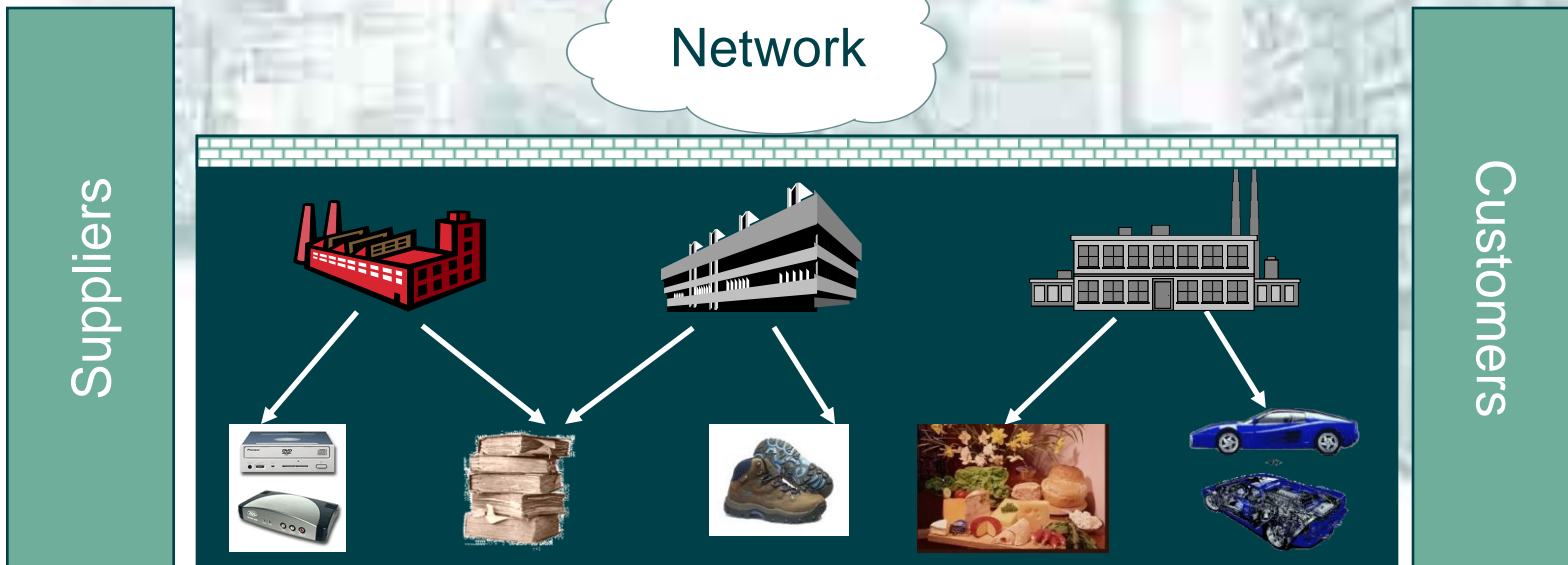
- ERP System
- SAP Certified - tRFC
- ASRS

Click Reply WM

Configuration and Control main environment

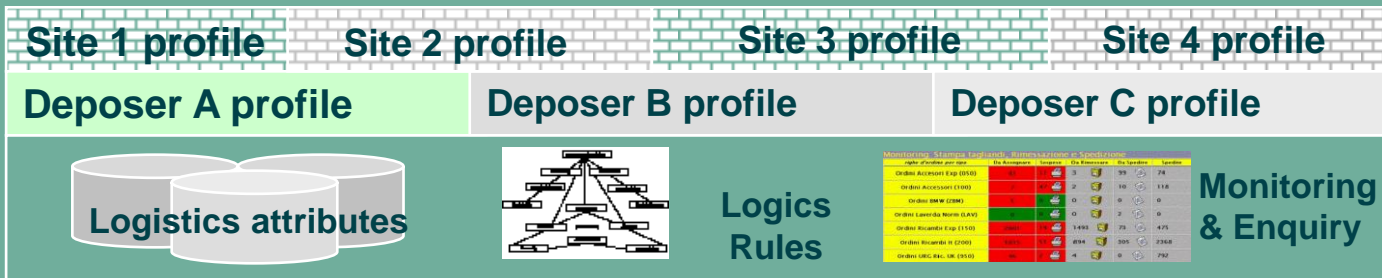


Network



Click Reply WM

Configuration and Control main environment



Storage areas attributes

Products logistics attributes

Stock attributes (batch, property..)

Customer and suppliers attrib.

Put-away logics

Planning logics

Shipping logics

Operational procedures

Operational documents

Labels type

Documents type

Tools/Devices

(paper, RF, VR)

Inventory status

Documents status

Storage areas satur. status

Activities progress

Exceptions management

Activity and storage

statistics (Storage area saturation, documents,..)

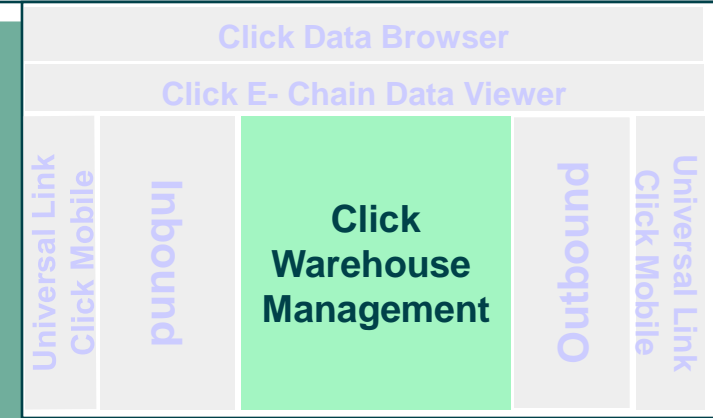
Efficiency statistics

(service level)



system control

- | | | |
|---|---------------------------------------|--|
| Multi Site Multi Deposer Multi Property | Scalability Safety Availability | Monitoring Service levels Alerts |
|---|---------------------------------------|--|



logical control

- Complete functional support (receiving, quality, stocktaking, kitting, picking, packaging, shipping)
- Configurable workflows and operation task assignment
- Picking and allocation logics versatile and configurable
- Real time stock control
- System integration and connectivity (SAP, Oracle, JD Edwards...)

operational control

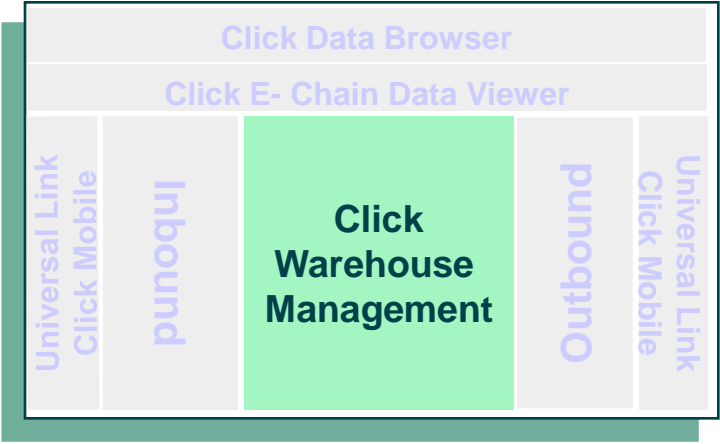
- RF e VR devices
- Automation devices and peripherals (PLC...)
- Operational documents
- Labels and Barcodes

Working with Click Reply™ - Execution

Easy to use + driven operations - WIZARDS

The screenshot shows the 'Products' window with a table of products and their remaining quantities. Below it is the 'Order Positions and Stocks' window, which displays detailed information for a specific order position, including the product number, description, and assigned quantity.

| Product | Description | Remaining Quant |
|------------------------|-------------|-----------------|
| 1 001 ART-000 ART-0001 | Description | |
| 2 001 ART-000 ART-0002 | Description | |
| 3 001 ART-000 ART-0004 | Description | |
| 4 001 ART-000 ART-0003 | Description | |
| 5 001 ART-004 ART-0041 | Description | |
| 6 ART-0001 ART-0001 | Description | |
| 7 ART-0002 ART-0002 | Description | |
| 8 ART-0003 ART-0003 | Description | |



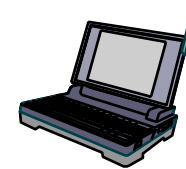
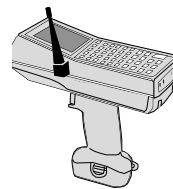
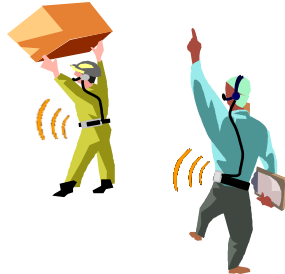
Fast and reliable - RF Terminals

The screenshot shows a 'Simulatore RFT' window with a text-based interface for picking confirmation. The interface includes fields for 'Prov:', 'Dest:', 'Art.', 'Qt:', and 'Res:', and a 'ENTER=Continua' prompt.

```

Conferma picking
Prov: <var>
Dest: <var>
Art. <var>
Qt: <var> Res: <var>
ENTER=Continua
    
```

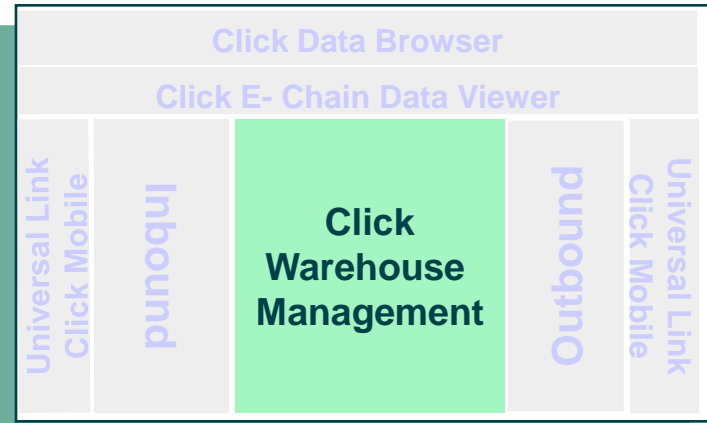
Hands and eyes free - VR Terminals



Working with Click Reply™ - Monitoring

Real time monitoring with advanced presentation

On-line management of operational exceptions



Uscite e prelievi - mbelloni@ZIC - Microsoft Internet Explorer

Indirizzo: http://zic/click/outbound/index.jsp

Collegamenti: Moto Online, RF Client Web, SCR OnLine, Sistemi GP, Windows, WindowsMedia, Click Reply 4, RF Client Web 4, Click Reply ES

Uscite e prelievi

Prelievi | Pianificazione | Programmazione | Gestione Ordini | Missioni | Rimessazione | Spedizioni | Ausiliari

16 novembre 2004

Sessione

Risorsa: ASSFLI
Sito: BRUINO
Ws.: ZIC-10.14.100.13
Utente: mbelloni
Dep.: FLI

Ricerca

Wizard
Statistiche
Riferimenti

| Tipo Ordine | Da Assegnare | Sospesa | Da Rimessare | Da Spedire | Da Spedire No DdT | Quantità Spedita |
|------------------|--------------|---------|--------------|------------|-------------------|------------------|
| Omaggi (OMA) | 0 | 1 | 0 | 0 | 0 | 0 |
| Urgenti (VIP) | 11 | 10 | 0 | 125 | 85 | 0 |
| Via Aerea (VDI) | 0 | 2 | 1 | 1 | 1 | 0 |
| Produzione (PRO) | 11 | 2 | 0 | 0 | 0 | 0 |
| Spedizione (SPD) | 3 | 2 | 1 | 1 | 0 | 0 |

Conferma Prelievi
Conferma Prelievi per Batch o Aggregazione

Riprelievo tagliandi
Modifica dell'ubicazione da cui prelevare il materiale.

Distribuzione Tagliandi
Distribuzione di un tagliando in più tagliandi.

Righe d'Ordine da Riassegnare
Visualizzazione delle righe da riassegnare.

Assegnamento Manuale
Assegnamento Manuale per Spedizione/Ordine

Etichette UdC o UdS
Stampa generiche Etichette UdC o UdS

Abbassamenti in Attesa

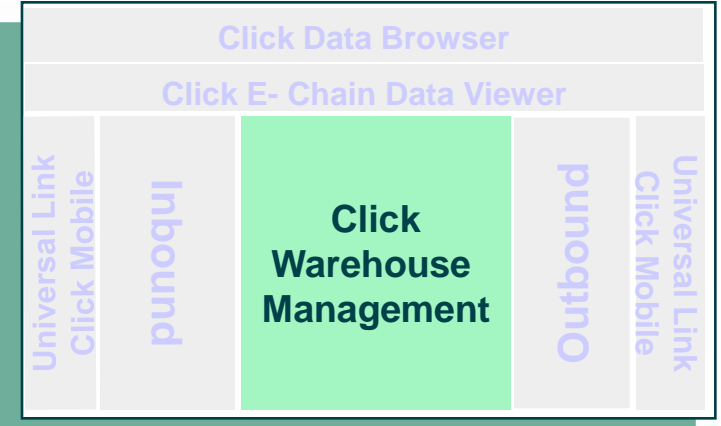
Gestione Abbassamenti

| Tipo | Area | in Attesa | in Esecuzione |
|------|----------|-----------|---------------|
| 1 | REF FM01 | 1 | 0 |
| 2 | TRS FM01 | 1 | 2 |

Intranet locale

Working with Click Reply™ - Statistics

Statistics: shipments for order type



Spedizioni Svolte - mbelloni@ZIC - Microsoft Internet Explorer

Spedizioni Svolte

Profilo di ricerca: Spedizioni Svolte

Raggruppa:

- Data Emissione
- Giorno
- Mese
- Anno
- Settimana
- Tipo Ordine**
- Codice Destinatario
- Priorità
- Vettore
- Tipo Vettore

Emissione Bolla Uscita

Giorno: Mese:
 Anno: Settimana:

Ordine

Tipo:

Localizzazione

Sito:

Denominante

Grafico - mbelloni@ZIC - Microsoft Internet Explorer

Grafico tipo - PieExploded

Per modificare il grafico apportare le modifiche sui dati del foglio (se presente). Attenzione : il grafico può perdere di consistenza se ci sono valori troppo distanti.

Grafico

Legend:

- [ESP]
- [EST]
- [INT]
- [MID]
- [PRO]
- [RDE]
- [SPD]
- [VIP]
- [VIT]

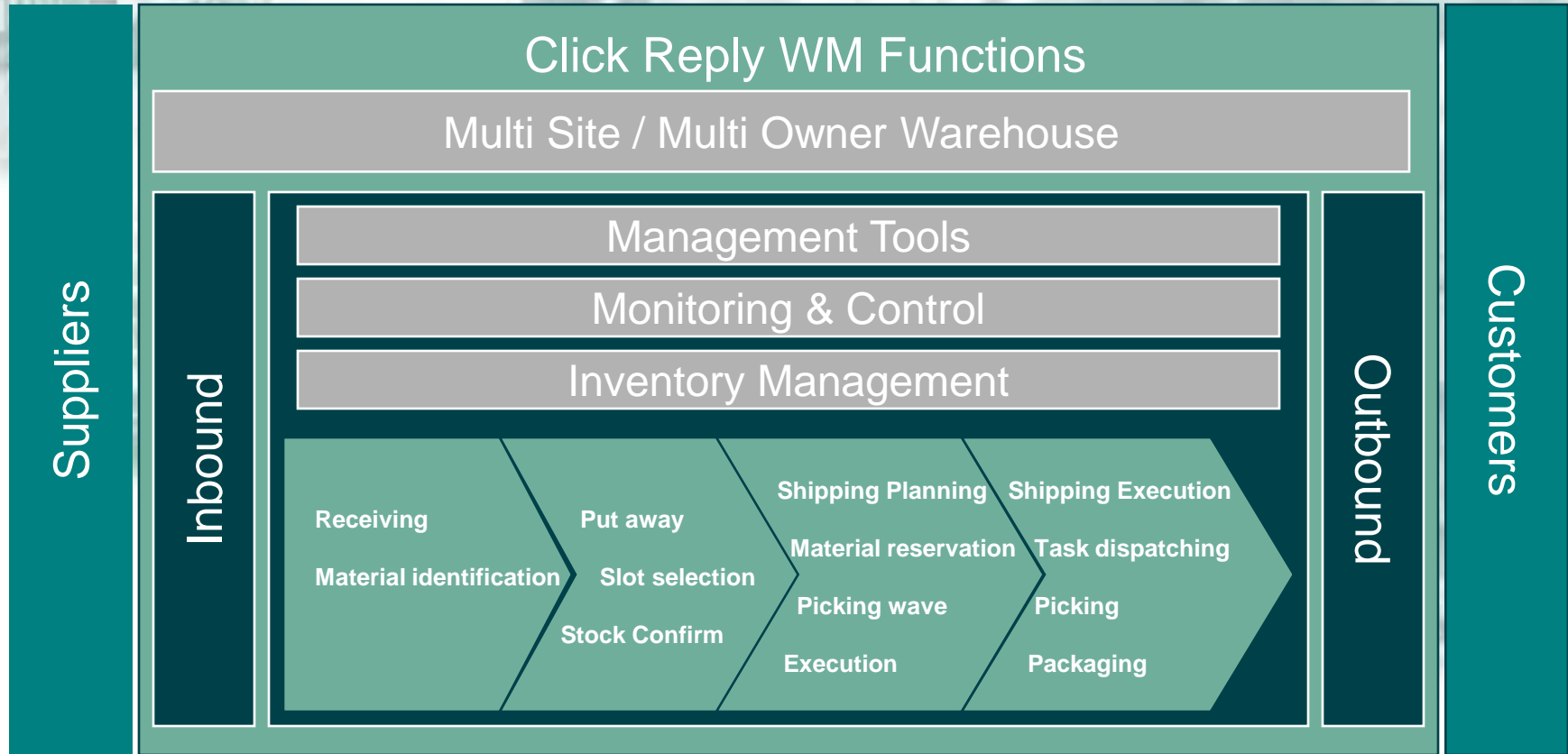
Stampa pagina Salva grafico < Indietro Fine

| Ordine | Tipo | Ordini | Righe | Ordini Parziali | mete Evasi | Righe Parziali | mete Evasi | Vo |
|--------|------|--------|-------|-----------------|------------|----------------|------------|----|
| 1 | ESP | 2 | 5 | | 1 | | 2 | |
| 2 | EST | 11 | 19 | | 1 | | 1 | |
| 3 | INT | 1 | 1 | | 1 | | 1 | |
| 4 | MID | 1 | 1 | | 0 | | 0 | |
| 5 | PRO | 1 | 1 | | 0 | | 0 | |
| 6 | RDE | 1 | 22 | | 0 | | 0 | |
| 7 | SPD | 8 | 16 | | 0 | | 0 | |
| 8 | VIP | 6 | 40 | | 3 | | 3 | |
| 9 | VIT | 29 | 54 | | 3 | | 4 | |

60 159 9 11 9.285 109.492 111.229.633 163 3.899 11.155

Integration – Click Universal Link

Transactional data exchange - Connectivity



Receiving - Material Identification

Accounting recordings of incoming goods

- ✓ Through transport document via EDI from supplier IS
- ✓ Through incoming list via EDI
- ✓ Through purchase order via EDI
- ✓ Through manual input of incoming list document
- ✓ With check on logistics attributes data

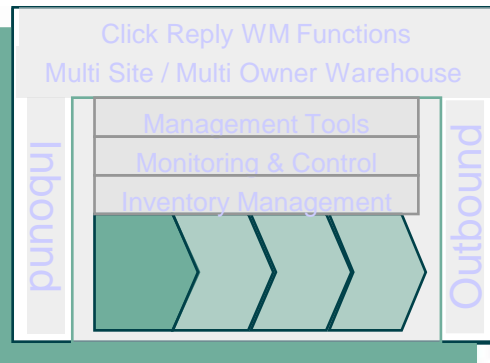
➤ Accounting recordings of goods

SKU identifications

- ✓ System driven through master data attributes (SKU type, areas, quantity for SKU, ...)
- ✓ Through manual completion of master data
- ✓ SKU single or multi-products SKU generation

- Update of accounting status
- Incoming summary document printings
- SKU labels printings

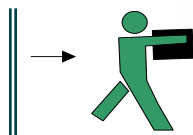
RF VR
RF VR
RF VR



Purchase Order



Receiving



Unload



Generazione/
Ricevimento DdT



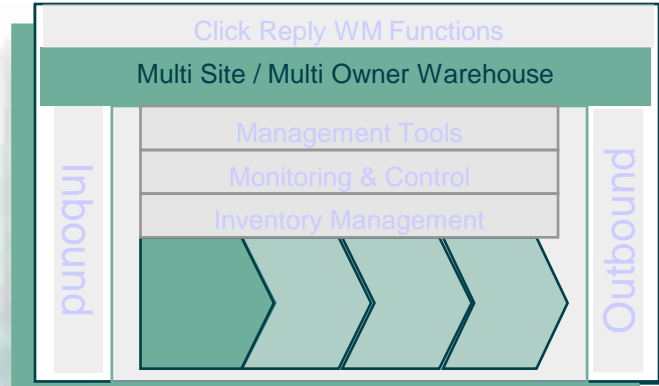
Identificazione materiale



Controllo
Qualità e Quantità

Generazione Lista di Ingresso

Site and Deposer configuration - attributes and relationship -



Incoming goods recordings

- ✓ allowed modifications on Transport document received from external system
- ✓ mandatory purchase order
- ✓ tolerance values vs. expected order
- ✓ accounting status input (available, rejected, QC, ...)
- ✓ goods property management

SKU identification

- ✓ different pallet schemas per products
- ✓ serial-number acquisition
- ✓ SKU acquisition/composition single/multi-products
- ✓ accounting status input
- ✓ batch/lot input
- ✓ goods reservation (order, customer, destination...)

| Causal | Supplier type | Storage area | Logistics attributes |
|--------|---------------|--------------|----------------------|
| ✓ | ✓ | | |
| ✓ | ✓ | | |
| ✓ | ✓ | | |
| ✓ | ✓ | ✓ | |
| ✓ | ✓ | | |
| | | | |
| ✓ | | ✓ | ✓ |
| ✓ | ✓ | | ✓ |
| ✓ | | ✓ | ✓ |
| ✓ | ✓ | ✓ | |
| ✓ | ✓ | | ✓ |
| ✓ | ✓ | | ✓ |

Put Away – Slot Selection & Stock Confirm

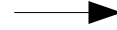
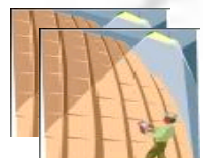
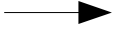
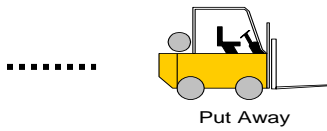
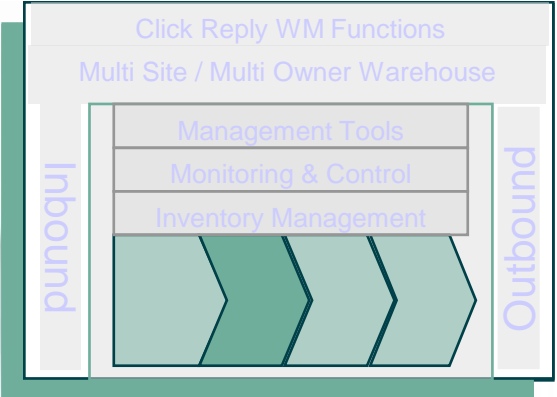
Allocation

- ✓ System drive through configurable logics
- ✓ Operator choice with check on goods logistics attributes
- *Generation of put-away jobs*

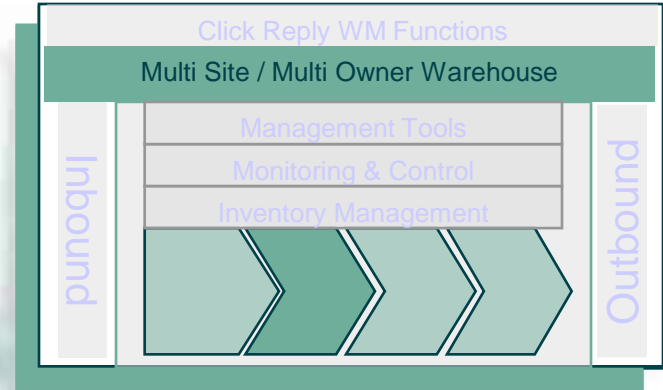
Put-away

- ✓ Change of accounting status
- ✓ Change of received quantity
- ✓ Reprint of SKU labels
- ✓ Change of proposed location
- ✓ Barcode reading of location, SKU code, products id
- ✓ Put-away jobs confirmation
- *Closing and updating transport document status and contents*
- *Closing and updating of incoming list*
- *Updating of storage location status*

| | |
|----|----|
| RF | VR |
| RF | VR |
| RF | VR |
| RF | VR |
| RF | VR |
| RF | VR |
| RF | VR |



Configurable per Site and Deposer
- attributes and relationship -



Allocation

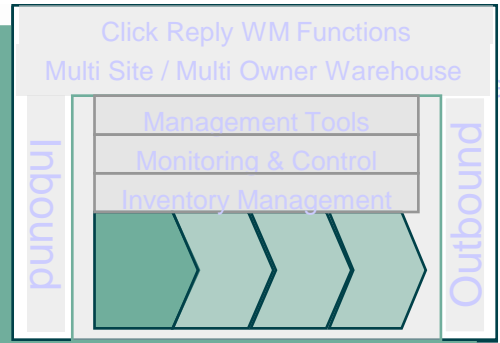
- ✓ Move to quality control
- ✓ Move to production lines
- ✓ Chose By-pass
- ✓ Replenishment threshold per area
- ✓ Pallet schema
- ✓ Storage area
- ✓ Pre-allocation per products
- ✓ Move to specific service areas
- ✓ Refilling

Put-away

- ✓ SKU label (different lay-out per deposer)
- ✓ Incoming list and incoming goods summary

| Causal | Account. Status | Batch/Lot Property Reservation | Attributes Areas Products |
|--------|-----------------|--------------------------------|---------------------------|
| ✓ | ✓ | | ✓ |
| | | | ✓ |
| ✓ | ✓ | | |
| | ✓ | | ✓ |
| | | | ✓ |
| | ✓ | ✓ | ✓ |
| | | | ✓ |
| | ✓ | | ✓ |
| | ✓ | ✓ | ✓ |
| | | | |
| ✓ | ✓ | | ✓ |
| ✓ | | | ✓ |

Receiving & Material Identification



Ingressi e allocazioni - mbelloni@ZIC - Microsoft Internet Explorer

Indirizzo: <http://zic/click/inbound/index.jsp>

Ingressi e allocazioni

Monitoring Area Ingresso

| Area | Descrizione | Stato Contabile | Descrizione |
|------|--------------------------------|-----------------|--------------------------|
| 1 | BRIN Bruino - Area di ingresso | DISPONIBILE | Disponibile alla Vendita |
| 2 | BRIN Bruino - | | |
| 3 | BRIN Bruino - | | |
| 4 | BRIN Bruino - | | |

Wizards

- Ricevimen
- Identific
- Etiche
- Conferm
- Conta
- Identific

Ricevimento DdT - mbelloni@ZIC - Microsoft Internet Explorer

Riepilogo Giacenze

In questa pagina vengono visualizzate le giacenze allocate in seguito ad operazioni di ricezione dei DdT. Premere Avanti per iniziare o Fine per terminare il wizard.

Codice Cedente: **001215** Tipo Cedente: **SUP**
Ragione Sociale Cedente: **FILTRAUTO SLOVENIA**

Documento Ingresso: **FLI-7007** Causale: **FOR** Data Emissione: **04/06/04 0.00.00**

Numero DdT: **8810003238** Tipo: **INFOR** Nr. DdT Host:

Il documento è stato identificato

Riepilogo Giacenze

| UdC | Articolo | Giacenza | Stati | Ubicazioni | | | | | |
|--------|------------|----------|-------------|---------------------------|----------|-------------|----------|-------|--------------|
| Codice | Tipo | Codice | Descrizione | Lotto | Quantità | Contabile | Giacenza | Area | Destinazione |
| 1 | 9191961596 | F01 | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | INBOUND | BR50S | |
| 2 | 9191961597 | F01 | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | INBOUND | BR50S | |
| 3 | 9191961598 | F01 | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | INBOUND | BR50S | |
| 4 | 9191961599 | F01 | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | INBOUND | BR50S | |
| 5 | 9191961600 | F01 | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | INBOUND | BR50S | |
| 6 | 9191961601 | F01 | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | INBOUND | BR50S | |

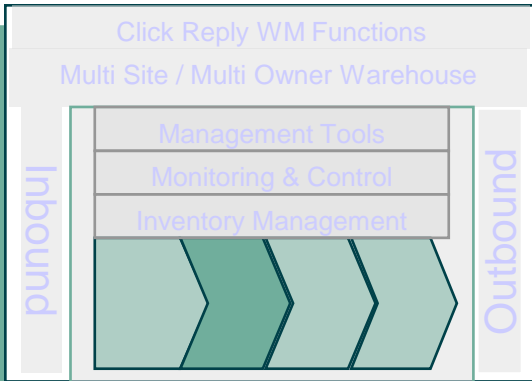
Aiuto Annulla < Indietro Avanti > Fine

Dettaglio Ddt

| Codice | Sostituito | Articolo | Descrizione | Quantità | Tipo UdC | Destinazione |
|--------|------------|---------------------------|-------------|----------|----------|-----------------------------|
| + | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 800,000 | F01 | | |
| + | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 800,000 | F01 | | |
| + | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 400,000 | F01 | BR50S | DISPONIBILE INBOUND 400,000 |
| + | RN67B | F.NAFTA GOLF/PASSAT/JETTA | 400,000 | F01 | BR50S | DISPONIBILE INBOUND 400,000 |

Aiuto Annulla < Indietro Avanti > Fine

Put Away & Slot Selection



Conferma DdT - mbelloni@ZIC - Microsoft Internet Explorer

Lavorazione Giacenze

In questa pagina vengono visualizzate le giacenze in baia di ingresso generate a partire dal documento di dettaglio dell'udc selezionata.

0000126964

Codice Articolo 12
Descrizione Articolo

Tipo Udc: F01 Lotto: VERIFICA
Data: 03-11-2002 0:00 Stato:
Fornitore: Codice Fornitore DdT: 0000001381
Non codificato

FV01

Utente: Codice Utente 192.168.104.69
Posizione: Data: 05-11-2002 11:53:20

0000126964

Codice Articolo
Descrizione Articolo
Fornitore: Codice Fornitore DdT: 0000001381 Data: 11/03/2002 12.00.00 AM
Non codificato

Previsto Riscontrato

Quantità: 12
Tipo Udc: F01

Riepilogo ingresso



Cedente: Codice Fornitore
Descrizione Fornitore
Documento: 210302 Del: 03-11-2002
Nr. Articoli: 3
Nr. Udc: 14

Codice Articolo DISPONIB Prev: 432 Qt: 432

Descrizione Articolo Udc Tipo Destinazione Quantità
0000126869 F01 FMD1.18.57.3VA 432

Codice Articolo1 DISPONIB Prev: 256 Qt: 256

Descrizione Articolo1 Udc Tipo Destinazione Quantità
0000126882 F01 FMD1.19.10.3VA 256
0000126870 F01 FMD1.18.58.3VA 136
0000126871 F01 FMD1.18.59.3VA 136

Codice Articolo2 DISPONIB Prev: 1632 Qt: 1632

Descrizione Articolo2 Udc Tipo Destinazione Quantità
0000126872 F01 FMD1.18.60.3VA 136
0000126873 F01 FMD1.19.01.3VA 136
0000126874 F01 FMD1.19.02.3VA 136
0000126875 F01 FMD1.19.03.3VA 136
0000126876 F01 FMD1.19.04.3VA 136
0000126877 F01 FMD1.19.05.3VA 136
0000126878 F01 FMD1.19.06.3VA 136
0000126879 F01 FMD1.19.07.3VA 136
0000126881 F01 FMD1.19.08.3VA 136
0000126881 F01 FMD1.19.09.3VA 136

Utente: Codice Utente Pagina: 1
Posizione: 192.168.104.69 Data: 05-11-2002 12:05:13

Codice Cedente: 00
Ragione Sociale Cedente: FI

Documento Ingresso: **FLI-7007** Data Emissione: **04/06/04 0.00.00**
Numero DdT: **8810003238** Tipo: **INFOR**

Chiusura Documento

Elimina Documento

| Articolo | Giacenza | Stati | Ubicazioni | |
|------------------------|----------|-------------|------------|--------------|
| | | | Corrente | Destinazione |
| Descrizione | Quantità | Contabile | Corrente | Destinazione |
| AFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | BRSOS | |
| AFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | BRSOS | |
| AFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | BRSOS | |
| AFTA GOLF/PASSAT/JETTA | 400 | DISPONIBILE | BRSOS | |
| | 2.400 | | | |

- Allocazione
- Cambio Stato Contab
- Aggiorna Giacenza
- Conferma Giacenza
- Stampa Etichetta

Aiuto Annulla < Indietro Avanti > Fine

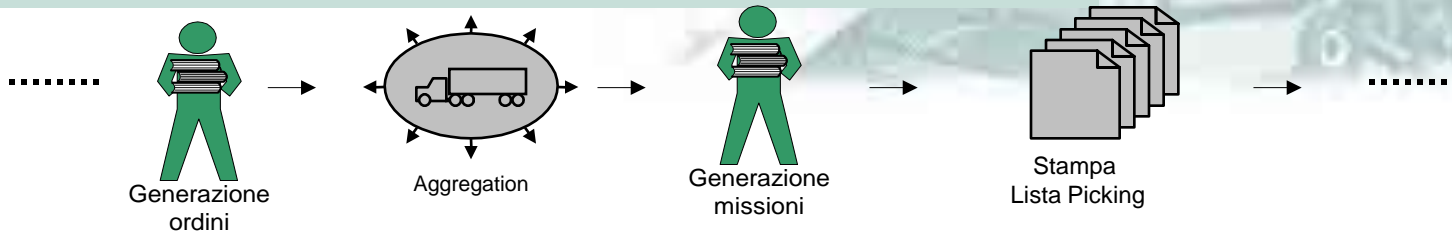
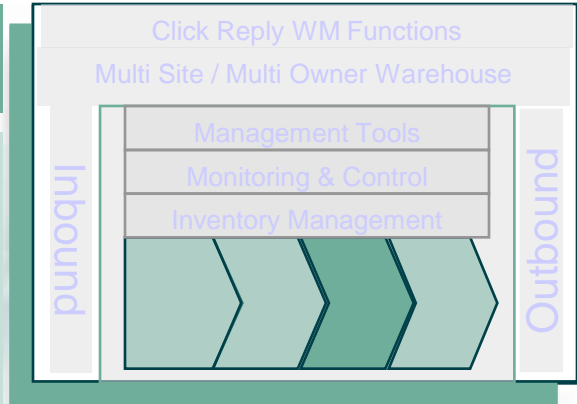
Shipping Planning – Material Reservation

Order management

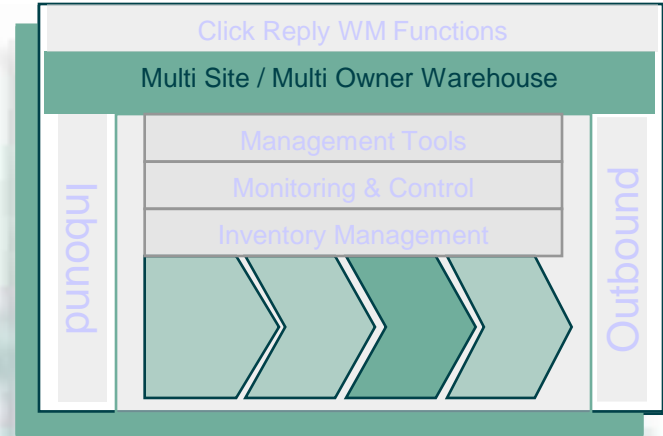
- ✓ Order manual input
- ✓ Order receiving from client IS
- ✓ Order updating
- ✓ Exception management

Shipment planning and material reservation

- ✓ Order portfolio analysis for multiple selection
 - ✓ Carrier and shipment line selection, computation of shipment and delivery date
 - ✓ Shipment constraint management (total, partial)
 - ✓ Automatic stock reservation through configurable logics
 - ✓ Manual reservation through choice of specific stock and SKU
- *Generate Picking jobs*
 - *“Missing goods” list printing*
 - *Picking planning*
 - *Picking list, sorting list, packaging list printing*
 - *Picking label and ready-to-leave label printing*



Configurable per Site and Deposer
- attributes and relationship -



| Planning | Adresse | Carrier | Order Type | Transport Type |
|---|----------------|----------------|-------------------|-----------------------|
| ✓ Computation of shipment and delivery date | ✓ | ✓ | | |
| ✓ Carrier selection | ✓ | | ✓ | ✓ |
| ✓ Shipment computation based on Volume | | ✓ | | ✓ |
| ✓ Shipment computation based on Weigh | | ✓ | | ✓ |
| ✓ Selection of shipment lines | ✓ | ✓ | | |

| Assignment | Causal | Accounting State | Batch/Lot Property Reservation | Attributes Areas Products |
|--|---------------|-------------------------|---------------------------------------|----------------------------------|
| ✓ Picking typology (whole, picking, replenishment) | | | | ✓ |
| ✓ Stock to pick computation | ✓ | ✓ | ✓ | ✓ |
| ✓ Picking list printing (different lay-out) | | | | ✓ |

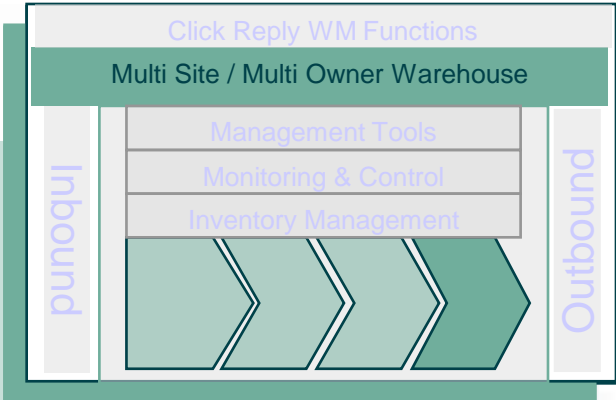
Shipping Execution – Picking & Packaging

Picking

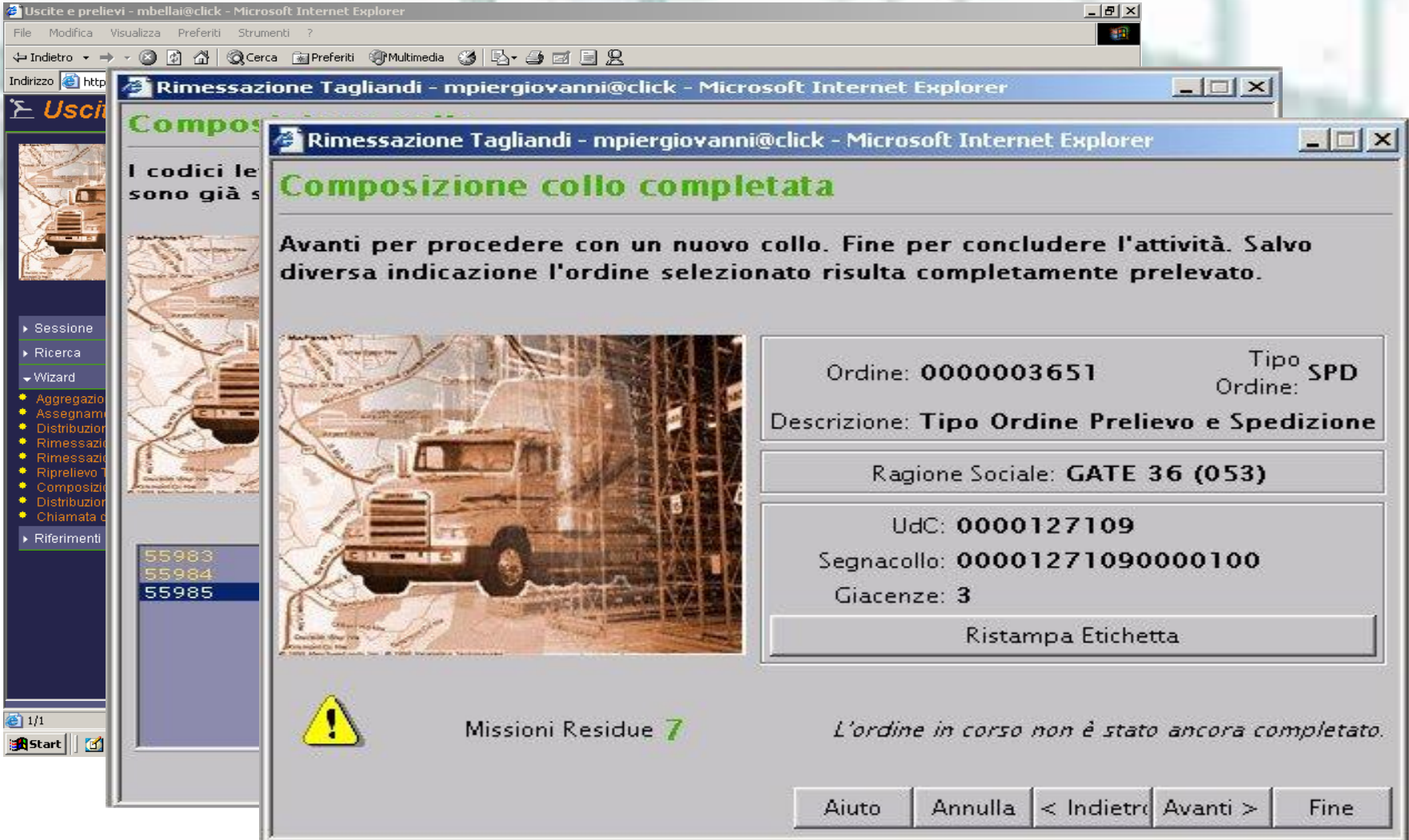
- ✓ Picking execution grouped by typology
- ✓ Replenishment execution
- ✓ Check through barcode reading for SKU, location, products
- ✓ Sorting for massive picking

Parcels Composition

- ✓ Parcels content trough barcode
 - ✓ Parcel content details and packing list
 - ✓ Weigh tolerance check
 - ✓ Parcel composition from shipment batch:
 - ✓ Input of number of parcels
 - ✓ Input of weigh (tare, net, gross)
 - ✓ Serial-number acquisition
- *Picking jobs closing*
- *Parcel label printing*



Shipping Execution – Parcel Composition



The screenshot shows a web browser window displaying the 'Composizione collo completata' (Parcel Composition Completed) screen. The interface includes a sidebar with navigation options, a main content area with a map and a truck image, and a right-hand panel with order details.

Composizione collo completata

Avanti per procedere con un nuovo collo. Fine per concludere l'attività. Salvo diversa indicazione l'ordine selezionato risulta completamente prelevato.

Ordine: 0000003651 Tipo Ordine: **SPD**

Descrizione: **Tipo Ordine Prelievo e Spedizione**

Ragione Sociale: **GATE 36 (053)**

UdC: **0000127109**

Segnacollo: **00001271090000100**

Giacenze: **3**

Ristampa Etichetta

Missioni Residue 7

L'ordine in corso non è stato ancora completato.

Buttons: Aiuto, Annulla, < Indietro, Avanti >, Fine

Shipping Execution – Loading & Shipping

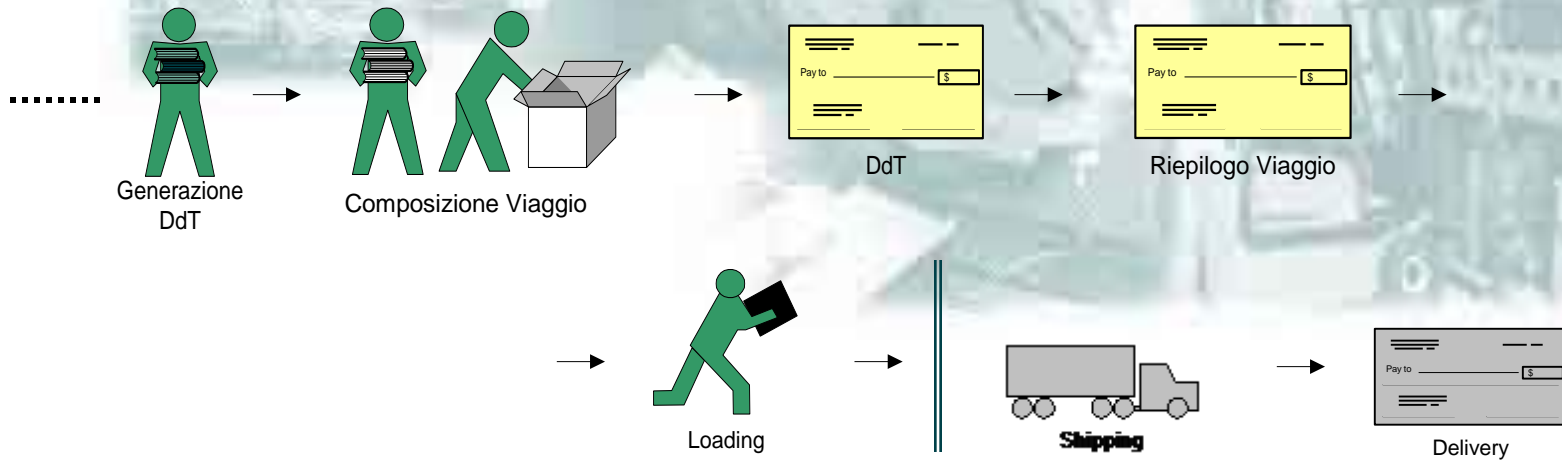
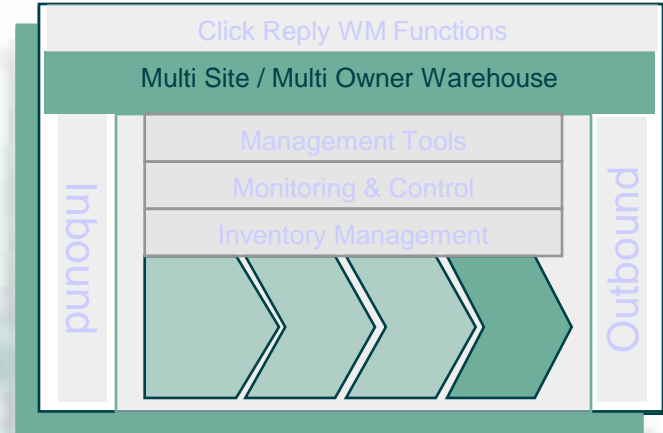
Goods shipment

- ✓ Transport document generation
- ✓ Journey composition from Transport document
- ✓ Journey composition from parcels
- ✓ Truck loading check

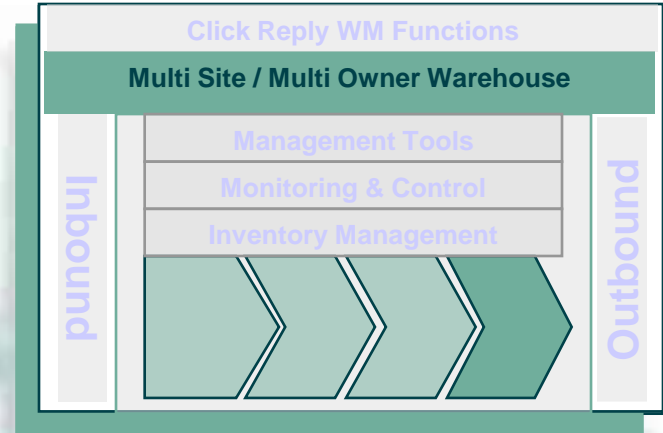
- Order confirmation
- Transport document confirmation
- Journey confirmation
- Inventory status update
- Transport document printing
- Journey summary printing

RF
RF

VR
VR



Configurable per Site and Deposer
- attributes and relationship -

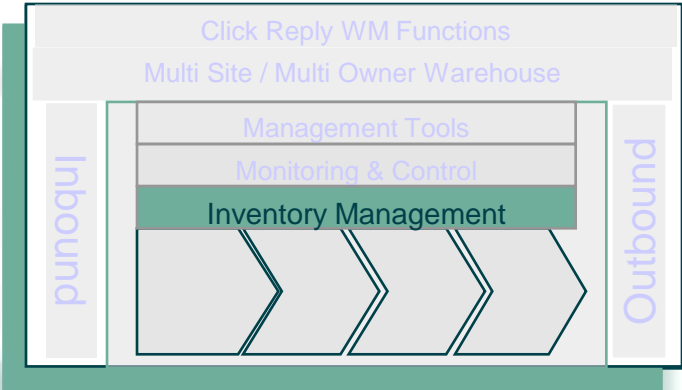


Picking & Shipment

- ✓ Picking resource selection
- ✓ Path picking selection
- ✓ Weigh and volume tolerance per parcel
- ✓ Parcel labeling (different lay-out)
- ✓ Transport doc. printing (different lay-out per deposer)

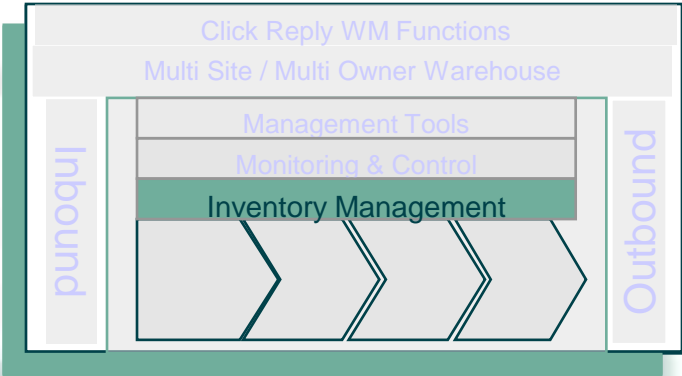
| Resource Type | Carrier | Package type | Attributes Areas Products |
|---------------|---------|--------------|---------------------------|
| ✓ | | | ✓ |
| ✓ | | | ✓ |
| | | ✓ | ✓ |
| | ✓ | | |
| | | | ✓ |

Inventory Management



- Stock threshold management
- Automatic replenishment with threshold management
- Lot management (acquisition, stock management, lot picking request, traceability)
- Accounting status management (available, scrap, rejected, ...)
- Goods property management
- Internal displacement
- Products ID change
- Stock quarantine management
- Stock adjustment recording

Inventory Management - Kitting



Bill of material

- ✓ Component master data management
- ✓ Bill of material explosion before picking

Kitting

- ✓ Kitting orders for master products generation
- ✓ Bill of material management from order acquisition (specific kits for customer)
- ✓ Put-away master products
- ✓ Kitting while picking for shipment
- ✓ Consistency check of quantity for master/component during reservation phase

Inventory Management - Kitting

From bill of material

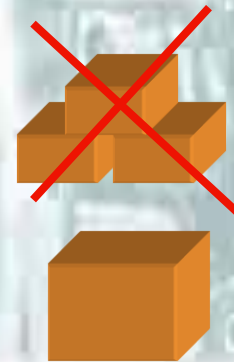
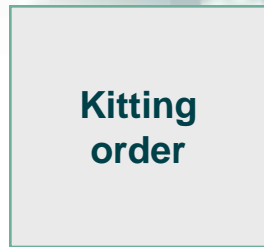
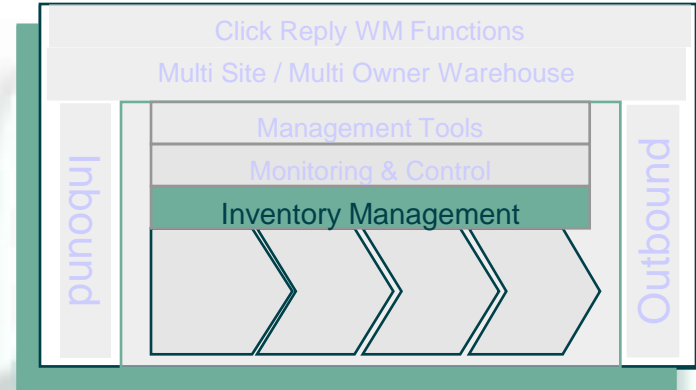
- ✓ Kitting order generation from bill of material
- ✓ Automatic computation of component quantity to pick

Without bill of material

- ✓ Kitting order generation directly from components selection
- ✓ Kit confirmation and generated quantity confirmation

Lot exchange

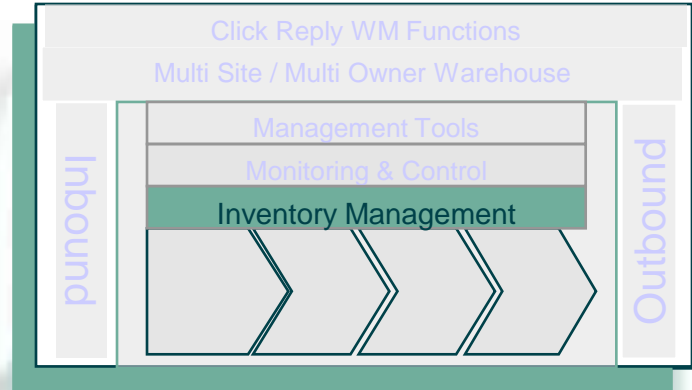
- ✓ Lot change order generation



Components

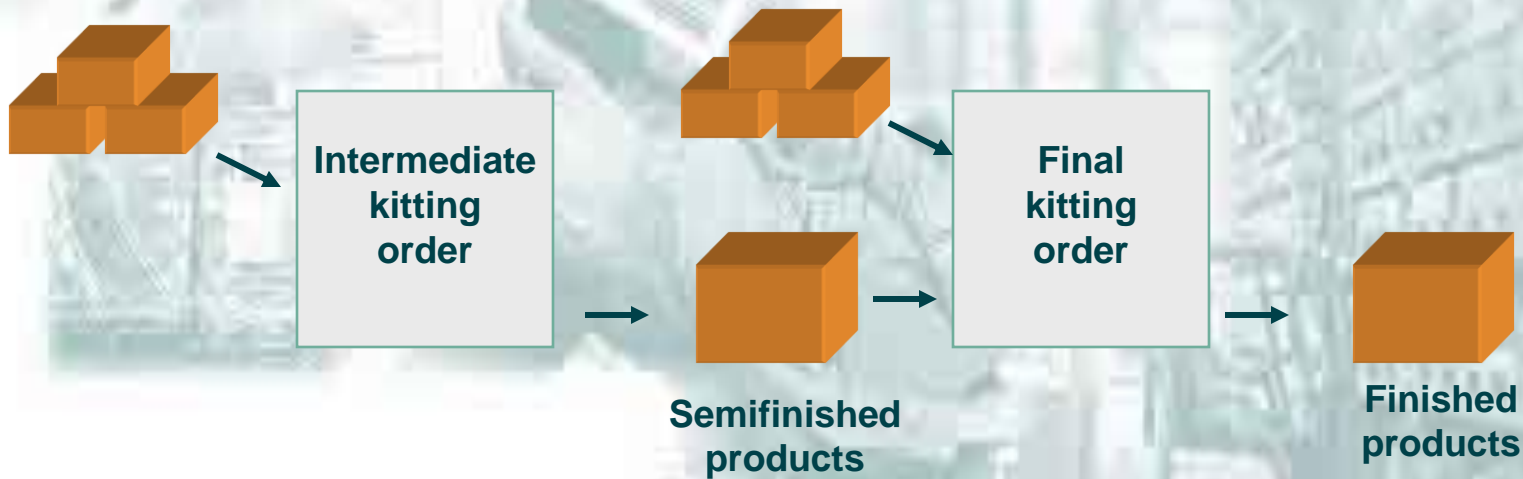
finished
or
semifinished

Inventory Management – Combined Kitting



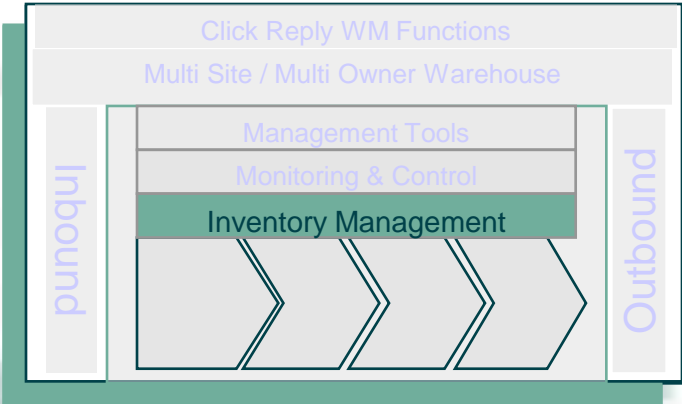
Combined kitting

- ✓ kitting order generation with or without bill of material
- ✓ use of master products for further kitting order



**Components quantity are computed from base quantity of master products.
The system computes quantity needed to create the master.**

Stocktaking



Counting generation criteria

- ✓ Per products
 - ✓ Area / location
 - ✓ Stock attributes (accounting state – lot – goods property)
- ✓ Per location range
 - ✓ Area / location
 - ✓ Storage saturation status (free and/or taken locations)

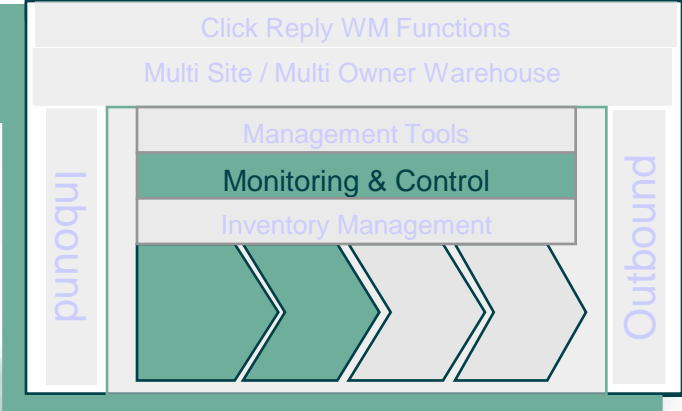
Counting execution

- ✓ Printing and recording of counting tickets
- ✓ Reprinting of next counting tickets (if next counting have different results)
- ✓ Counting through RF devices with barcode reading for SKU/location

Stocktaking confirmation

- ✓ Verification of differences in quantity – products - location
- ✓ Stock updating through counting data
- ✓ Stock adjustment transferred to external system

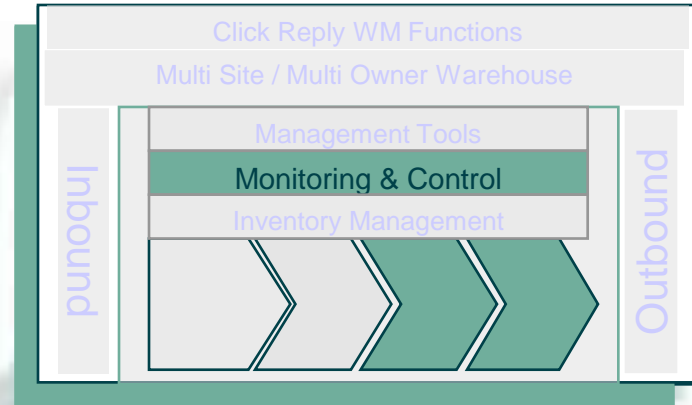
Monitoring & Control – Receiving & Allocation



- Receiving progress status
- Allocation progress status
- Receiving documents status
- Receiving areas monitoring
- Receiving jobs status
- Statistics on receiving progress and inbound residual
- Loading efficiency (configurable according to real operation times from receiving and identification phase to put-away confirmation)

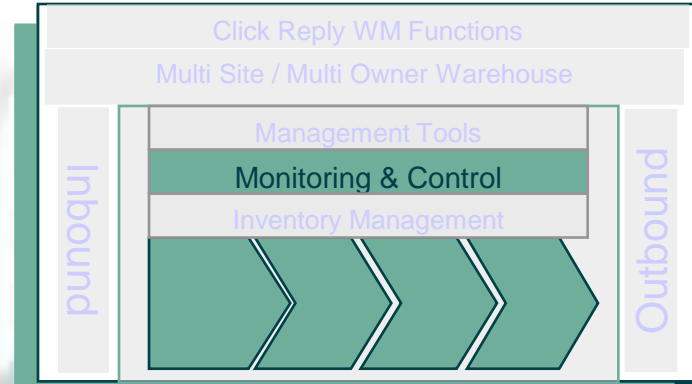
Monitoring & Control – Picking & Shipping

- Shipping progress status
- Picking operations monitoring
- Shipping areas monitoring
- Statistics on picking progress and residual
- Statistics on shipping progress and residual
- Statistics on journeys completed
- Shipping efficiency (configurable according to real operation times from order receiving to shipment confirmation)



Monitoring & Control – Stock

- Storage areas monitoring
- Stock monitoring
- Shipping areas monitoring
- Statistics on picking frequency
- Statistics on stock/lot
- Statistics on stock/storage area
- Enquiry on storage area saturation



Interfaces

Master data (→ Click Reply™)

- ✓ Products data
- ✓ Customers
- ✓ Suppliers
- ✓ Carriers

Master data (→ Host)

- ✓ Products logistics attributes

Inbound (→ Click Reply™)

- ✓ Incoming list
- ✓ Supplier delivery note
- ✓ SKU data from production lines

Inbound (→ Host)

- ✓ Incoming list status
- ✓ Supplier delivery note status

Outbound (→ Click Reply™)

- ✓ Shipping orders
- ✓ Kitting orders

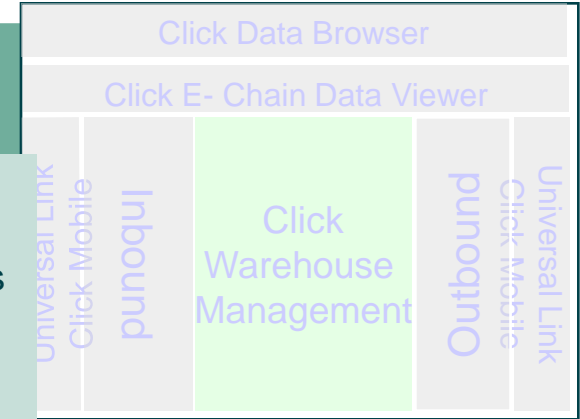
Outbound (→ Host)

- ✓ Shipping order status
- ✓ Shipping delivery notes status

Inventory (→ Host)

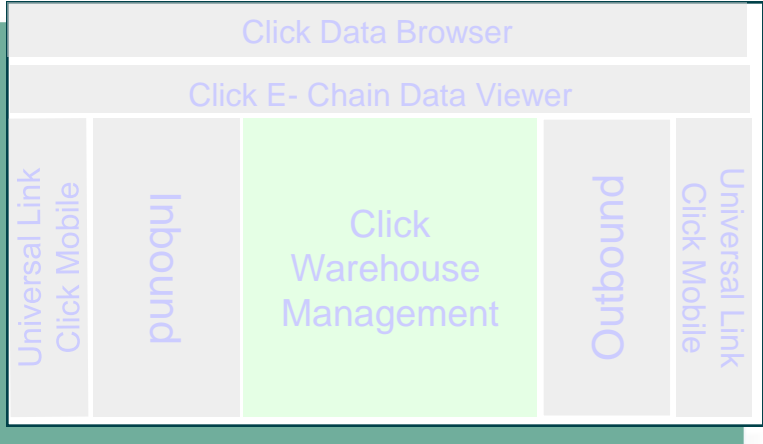
- ✓ Physical recordings
- ✓ Accounting recordings

- ✓ Stock inventory
- ✓ Serial nr. In stock



Click Reply™ Data Base Server

- Oracle DBMS**
- Operating systems**
 - ✓ Windows 2003 Advanced Server
 - ✓ Linux
 - ✓ Unix



Click Reply™ Web Application Server

- Operating systems**
 - ✓ Windows 2003 Advanced Server
 - ✓ Linux
 - ✓ Unix
- Application Server**
 - ✓ Oracle Application Server
 - ✓ iPlanet Web Server Enterprise Edition
 - ✓ IBM WebSphere Application Server
 - ✓ Macromedia Jrun Server
 - ✓ Apache Software Foundation Jakarta Tomcat

Click Reply™ Web Client

- Operating systems**
 - ✓ Windows XP
 - ✓ Windows 2000
- Software**
 - ✓ Microsoft Internet Explorer
 - ✓ Microsoft Office (as option)



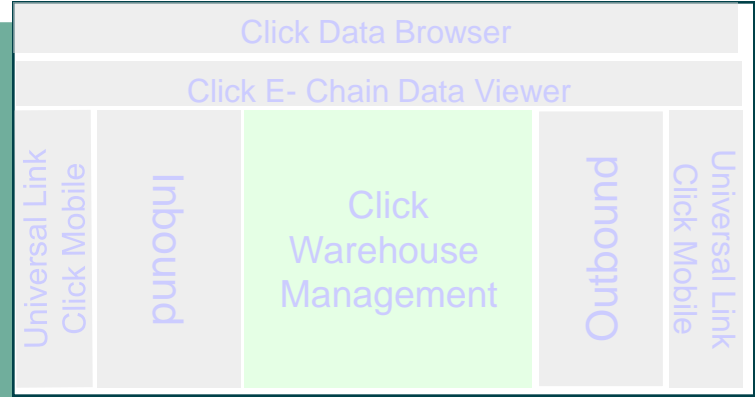
Click Reply™ Devices

Labelers

- ✓ Zebra
- ✓ Leptons
- ✓ Intermec
- ✓ etc

Printers

- ✓ Laser
- ✓ Inkjet
- ✓ Impact
- ✓ etc



RF Devices

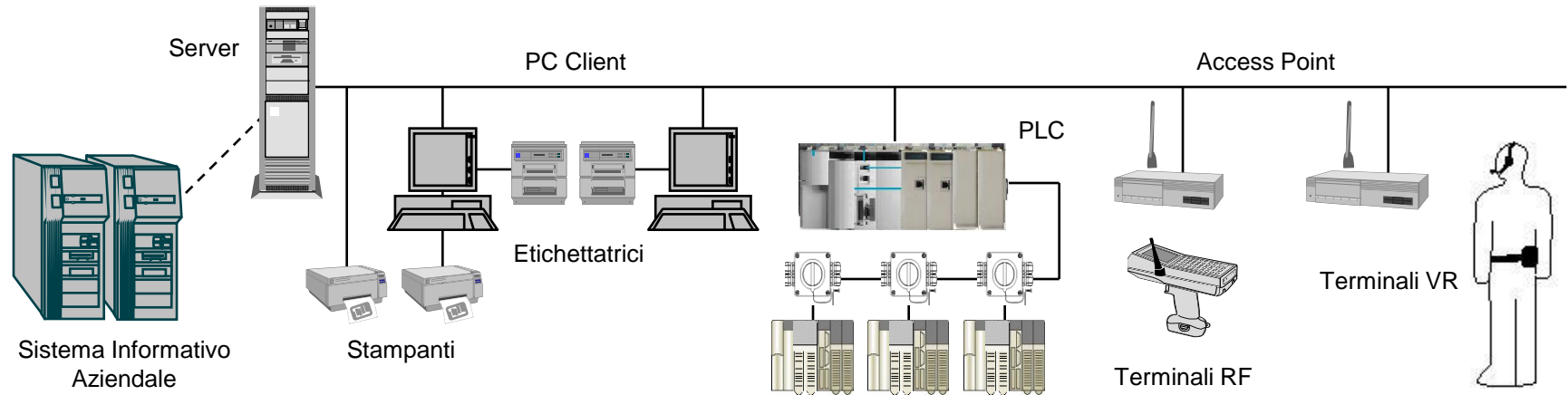
- ✓ Symbol
- ✓ Teklogix
- ✓ Intermec
- ✓ LXE

VR Devices

- ✓ Vocollect - Talkman

Handling automatic systems

- ✓ PLC (Siemens, AB, Texas ...)
- ✓ Palletizers
- ✓ Automatic labelers
- ✓ Balances



Click Reply™ - WMS Module

- Advantages & Benefits -

Technology

- ✓ Easy to access via internet browser
- ✓ 3-tiers architecture
- ✓ Lower cost for application management
- ✓ Lower cost for infrastructure management
- ✓ Advanced technology integration (RFID, Mobile, Wireless, ...)
- ✓ Simpler back-up and diagnostic

Functionality

- ✓ Wide choice of operational scenarios
- ✓ Wide operational versatility
- ✓ Easier upgrade to new release functionality
- ✓ Capitalization of functional development
- ✓ Enabling trading-partner cooperation

Delivery

- ✓ Easy to extend application to new sites and new depositories
- ✓ Robustness of the application
- ✓ Delivery times reduced
- ✓ Very few impact on existing infrastructure



End

