

EMSYS Logistics



Designed for:

- Efficient management of all variables specific for logistics activities
- Information availability necessary for fast and well documented decisions
- Costs optimization to maintain competitiveness

EMSYS Logistics allows real time control of acquisition, production and sales processes as well as inventory management of finished products, merchandise, packaging, raw material, inventory objects, protection and work equipment for trade, production and custody. The solution allows to:

- Model analysis dimensions to define business processes on any dimension specific to the organization: business unit, profit center, business lines, organizational structures, and profitability segments, cost objects, etc.
- Correlate analysis dimensions to organization's real structures and the automatic allocation in transactions, making possible that the technic-operational information to be seen as a business process.
- Integrate complex logistic flow management with the economic-financial management of the organization, allowing accounting monograph configuration for specific transactions and generate automatically the corresponding accounting transactions.
- Organize documents' registration as continuous process (it can work simultaneously on several open periods, the operation of a transaction does not depend on the previous period closing).

EMSYS Logistics respects the concepts and APICS principles, assuring chain management request-offer (SCM – Supply Chain Management) and implements MRP II standard of planning and production control.

EMSYS Logistics can be used for:

- **Sales and Distribution**
 - o Supports contract management with customers and solves efficiently the sales request for products and services
 - o Assures traceability of actions for each stage of the sales process (negotiation, contracting, delivery, completion)
 - o Contains functionalities to issue delivery orders, accompanying notes and invoices, customer returns management and management of goods sold and kept in custody.
 - o Allows implementation of flexible sales policies, on different levels of interest: general, customer, store, item, by using price lists, multiple measurement units, quantity and value discounts, promotions, multiple currencies, etc.
 - o Provides in real time the available stock on a certain calendar date (ATP – Available to Promise) for optimizing deliveries.
- **Production**
 - o Implements the main production standard strategies (MTO, MTS, ETO) and allows a detailed

- definition of items; product structure (BOM), planning rules (LFL, POQ, FOQ), safety stock, technological operations and processes), accompanying technical data, etc.
- Provides a Master Production Schedule (MPS) by processing sales requests (customer order and sales provisions). It realizes Material Resource Planning (MRP) by generating work orders and acquisition requests.
- Functionalities of production control take over the work orders to launch in execution, follow and report realizations. The system assures the processing management taken by the third party and operations with external processing.
- **Acquisitions:**
 - Provides an efficient management of the needs to supply for products and services, through purchase requests coming from production activities, sales and more.
 - Purchase orders centralize internal requests and are the legal basis of store receptions.
 - The invoices from suppliers are recorded in the system in separate documents of reception and is associated with these to establish quantity and price differences.
 - Returns management and goods received from suppliers in custody.
- **ALOP**
 - For the organizations that assume expenses by expenditure budgets, EMSYS Logistics realizes the integration of purchase processes by integration with ALOP (Commitment, Liquidation, Ordering, and Payment).
 - It has functionalities to define and use the CPV codes and Annual Acquisition Public Plan (PAAP).
- **Retail**
 - Allows sales and collection automation by integrating with POS systems, cash registers and mobile terminals.
 - It has functionalities to manage price lists, discounts, promotions, sales documents (orders, delivery provision, tax receipts, and invoices) and inventory.
- **Inventory Management**
 - It has as purpose to highlight and analyze the stocks quantity-value of manageable items on management, locations from warehouses, series, stock accounts, and groups/subgroups.
 - Allows configuration and uses one of the stock methods: FIFO, LIFO or CMC, at global level or manageable object level.
 - Manages all types of stock transactions: input, output and transfers. Quantity-value inventory of all stock categories is automated by integrating mobile devices.
 - Provides movement check and control in stock, stocks level, material consumption on cost centers, analysis of old stock, analysis of stock rotation speed, etc.