

# LOGISTICS

*Integrated optimization*  
*Advanced planning*  
*Multidimensional analysis*

The EMSYS Logistics module integrates procurement, production and sales processes into a unified flow, providing full visibility over inventory, purchasing and commercial performance.

## Competitive Advantages

|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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|  <p><b>Business Architecture</b></p>                | <p>Complete modelling of the organizational structure and master data: Business Lines, Groups, Subgroups, Items, Services, Bills of Materials (BOM), Technological Operations, Attributes, Business Units, Plants, Sections, Workshops, Workstations, Warehouses and Stores.</p>                                                                                                                                                                                                                                                                                                                                                                     |
|  <p><b>Smart Inventory Management</b></p>         | <p>Rigorous SKU definition with multiple units of measure (stock, purchasing, sales) and physical attributes (weight, density, concentration). Multi-warehouse management for materials, goods, fuel, inventory objects, work and protective equipment, with WAC, FIFO, LIFO and specific identification. Full lot, serial and warranty-date traceability, mobile inventory, inter-warehouse transfers, stock reservations and automatic reorder-point monitoring. Advanced MPS/MRP planning with ordering policies, optimal quantity and total manufacturing cycle.</p>                                                                             |
|  <p><b>Procurement Cycle Automation (SCM)</b></p> | <p>Full Procure-to-Pay flow: requirements, RFQs, framework agreements, contracts, purchase orders, receipt (NIR) and automatic invoice-receipt matching. Native integration with the Annual Public Procurement Plan (PAAP). Supplier evaluation and classification, delivery lead-time and contractual-penalty management.</p>                                                                                                                                                                                                                                                                                                                       |
|  <p><b>Advanced Production Planning</b></p>       | <p>Complete resource management through manufacturing structures (multi-level BOM), material requirements planning (MRP) and capacity planning (RCCP, CRP). Work orders for all production strategies (MTO, MTS, ETO, ATO), with real-time monitoring of labour, consumption and scrap. Full lot/serial traceability, subcontracting operations and semi-finished goods management. EMSYS supports business continuity by automatically monitoring critical stock through planning policies (LFL, FOQ, POQ). It instantly signals minimum safety thresholds, removing bottleneck risk and ensuring availability of essential workflow materials.</p> |
|  <p><b>Traceability</b></p>                       | <p>Rigorous control with full traceability from receipt of raw-material lots to delivery of finished products and back. It monitors each material's path and instantly identifies the distribution of any lot to the final customer.</p>                                                                                                                                                                                                                                                                                                                                                                                                             |

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|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <b>POS Adaptable to Any Business</b>   | Intuitive, versatile interface adaptable to retail, HoReCa or specialty-store needs. Optimized for fast canteen flows and fully compatible with touchscreen equipment for efficient service.                                                                                                                                                                                                                                                                                                                                                                                        |
|    | <b>Sales Force Digitalization</b>      | Complete Order-to-Cash flow: quotations, ATP, contracts, orders, partial deliveries and returns. Mobile-team support through Sales Force Automation (pre-sales, van-sales, distribution routes) and native online-store integration. Multi-level price lists, discounts, automatic credit-limit checks and generation of e-Factura (SPV) and e-Transport.                                                                                                                                                                                                                           |
|    | <b>Asset Management</b>                | EMSYS manages asset lifecycles through corrective and predictive maintenance strategies, integrating the annual repair plan directly into the budgeting system for strict financial control. It supports repair-or-replace decisions through profitability analyses and enables specific work cycles for each asset group. It is integrated with the system's related processes.                                                                                                                                                                                                    |
|    | <b>Project Management</b>              | The platform manages the full project lifecycle, from Design (project import and quotation) through execution, ensuring rigorous control through Change Management and production release generation. It automates material-consumption monitoring and labour, equipment and transport reporting, providing clear visibility into resource activity and operational progress. Automatic accounting turns field data into performance reports and real-time profitability analyses, eliminating manual errors and guaranteeing full traceability from quotation to final acceptance. |
|  | <b>Multidimensional Analysis</b>       | Detailed reporting of sales, purchasing and inventory across multiple dimensions: Business Unit, Profit Centre, Cost Object, geographical areas, product groups or sales managers. Dashboards and KPIs with drill-down to source transactions and export in multiple formats: PDF, XLS, XLSX, DOC, DOCX.                                                                                                                                                                                                                                                                            |
|  | <b>Integrated Logistics Components</b> | <ul style="list-style-type: none"> <li>• Discrete manufacturing</li> <li>• Process manufacturing</li> <li>• Sales and Distribution</li> <li>• Purchasing</li> <li>• Inventory</li> <li>• Sales Force Automation</li> <li>• Public procurement</li> <li>• Online store</li> <li>• Retail</li> <li>• Project Management</li> <li>• Asset Management</li> <li>• Contract Management</li> </ul>                                                                                                                                                                                         |