

PUBLIC SECTOR

Automated regulatory compliance
Full transparency of public funds
Budget execution under full control

EMSYS is the unified platform that integrates budgeting, execution and operations for public institutions (local authorities, universities, hospitals...), turning complexity into performance. The system ensures automated regulatory compliance, full transparency and eliminates manual data reconciliation.

Competitive Advantages



Budget Planning, Execution and Public Procurement Control

Tool for planning, building and controlling the Revenue and Expenditure Budget (BVC). It defines budget structures by chapters, subchapters, titles and articles, aligned with the public sector economic and functional classification. It monitors budget execution in real time, controls correlations between allocations and opened budget credits, manages budgetary and legal commitments (ALOP) and generates variance and execution reports.



Intelligent Financial Core

Central financial management module developed in line with Order no. 1917/2005 and OMFP no. 1954/2005 for public-institution accounting. It includes financial and off-balance accounts in a flexible structure, manages analytical accounting (debtors, creditors, treasury advances, personnel), supports multi-currency processing with automatic BNR rates, automates account closing (revenues, expenses, VAT, cash, legal commitments) and generates tax returns (394, 390, 300, 100, 406).



Full Control of Commercial Liabilities

Operational submodule for recording commercial liabilities and managing business partners. It records and tracks supplier invoices, allocates and settles advances, and processes bank payments or cash payments. It includes automatic periodic revaluation of foreign-currency accounts and invoices, direct customer-supplier offsetting and dedicated reports (aging, supplier statements, purchase journals).



Maximised Receivables and Secure Customer Relations

Module for tracking receivables and commercial relations with beneficiaries. It defines partner profiles, issues and records sales invoices, registers customer advances and settles debts automatically or manually through bank or cash collections. It manages FX revaluation of outstanding balances, payment notices, penalty calculation and analytical reports on aging and payment behaviour.



Automated Liquidity Optimisation (Cash Flow)

Centralised system for controlling treasury and cash availability. It monitors cash desks, automates bank payment orders, imports and reconciles bank statements and manages bank and cash balances in real time. It also manages payment and collection instruments (promissory notes, cheques) and provides liquidity forecasting reports.

	Fixed Asset Lifecycle Management	Module for recording, managing and calculating fixed assets and inventory objects. It keeps full records of technical characteristics and asset locations, records transactions (acquisitions, upgrades, transfers, disposals) and fully automates depreciation calculation. It includes periodic revaluation, IAS/IFRS rule handling and mandatory reports (fixed asset register, asset card, depreciation reports).
	Financial Governance and PAAP Compliance	Integrated macro-planning and preventive-control system connecting the Annual Public Procurement Plan (PAAP) with Revenue and Expenditure Budget allocations. The module validates each procedure within approved funds, blocks budget or commitment overruns at purchase-request stage, monitors framework agreements and legal procurement thresholds, and controls economic correlations throughout institutional budget execution.
	Traceability and Efficiency in Procurement	Manages the procurement flow from intention to receipt. It defines analytical dimensions and public procurement plans, centralises departmental purchase requests and monitors framework agreements or supplier contracts. It manages purchase orders, delivery tracking, goods receipts (NIR) and their matching with supplier invoices.
	Mathematical Accuracy in Inventory Management	Logistics module for quantity-value warehouse and material management. It defines item master data with multiple units of measure, configures physical warehouse structures and processes all transaction types (receipts, issue vouchers, transfers, returns). It includes automated periodic or annual stocktaking and generates stock cards, stock balances and movement reports.
	Commercial Performance Acceleration and Recurring Billing	System for managing commercial and distribution activities. It configures sales structures, complex item and service catalogues and advanced controls (credit limits, pricing policies, configurable discounts). It manages the full operational flow: customer orders, delivery notes, mass or individual invoicing and extended long-term contract management with recurring billing.
	Native Synchronisation with the FOREXEBUG Platform	Integrated legal compliance and reporting system for public institutions, fed automatically from the financial modules. It generates mandatory accounting reports (trial balance, chess account sheets, general ledger, cash availability registers and journals) and quarterly/annual reports (balance sheet, patrimonial result, cash-flow statement, financial assets and liabilities with annexes). It includes direct XML export to the Ministry of Finance FOREXEBUG platform for monthly, quarterly and annual reports (F1115, F1102, F1118, F1127, F1125, F1113, F1110, F1133), ensuring full data accuracy.
	High-Grade Security Architecture (Zero Trust)	Advanced data protection and access-control architecture implemented across the EMSYS system. It defines users, roles and access rights at module, window, operation, record or field level. It manages value-based approval limits and enforces strict authentication policies to protect sensitive financial information.
	Absolute Traceability and Audit Trail Compliance	Internal monitoring and full traceability mechanism for changes in the relational database. It records the full history of insert, update and delete operations, storing old value, new value, exact date and time, workstation IP and user, providing detailed reports essential for compliance requirements.
	Process Automation (Hyper-Workflows) and Proactive Alerts	Automated engine for internal communication and guided process execution (Workflows). It includes advanced alerts and notifications displayed in the application or sent by e-mail for critical events (document approvals, budget overruns, deadlines). Notifications are fully configurable by event source and target involved users through predefined operational flows.

