

Next-gen procurement system implementation project

Industries	EIC engineering and IT services
No. of Employees	About 2,200
Revenue	KRW 1.44 trillion (as of 2024)

Customer Comments

Reduced costs with PMS integrated auto-PO and strengthened procurement competitiveness through data-driven decision-making.

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Project Overview

Challenges

Growing need to advance procurement capabilities amid **shifting business trends and stricter regulations**

Increase in procurement mgmt. points due to project diversification and segmentation

Need for proactive utilization of PMS and ERP data

Strengthening of regulations, including ESG and SAPA

Solutions

Implementing more **segmented and automated PMS-linked procurement functions and strengthening supplier management**

Advanced procurement functions Incl. centralized purchasing and auto-PO

Enhanced data integration & utilization across procurement and other systems

System-based supplier management & monitoring

Results

Improved productivity across procurement and supplier management, with **strengthened data-driven purchasing competitiveness**

Reduced procurement lead time and cost savings

Enhanced negotiation power & competitiveness through data-driven decision-making

More efficient supplier mgmt., strong preferred supplier pool, proactive regulatory compliance

Implemented Software Coverage

PR Quotation/Bidding e-Contract PO/Goods Receipt Supplier Reg./Eval. Item Mgmt. Workplace
System Admin Search Engine

Challenges

Growing need to advance procurement capabilities amid shifting business trends and stricter regulations

POSCO DX operates in an industry where projects are managed through the PMS(Project Management System), making integration between the PMS and the procurement system essential. As the business expanded, projects became more diverse and larger in scale, and the PMS functions were upgraded accordingly. This created the need for more advanced procurement capabilities, including stronger data and project management, unified bidding processes, and pre-review of expected quantities.

At the same time, regulations related to suppliers, including the Serious Accidents Punishment Act(SAPA) and supply chain ESG requirements, became stricter. This led the company to consider adding supplier management features to the procurement system to manage and monitor these requirements more effectively.

Our Solution

Implementing more segmented and automated PMS-linked procurement functions and strengthening supplier management

Emro upgraded the procurement system originally built with POSCO DX in 2011 to the latest version and developed various add-on functions to support more efficient procurement management aligned with project segmentation. These enhancements strengthened overall efficiency and productivity through greater system-based automation.

Data integration with other systems was also significantly improved. Project data exchanged between the PMS and ERP is now reflected in real time, enabling auto-PO and integrated purchasing. To improve both negotiation power and user convenience, a search engine was added that allows users to quickly find past procurement records from large volumes of data using keyword searches.

To address growing regulatory requirements, the system now includes functions to evaluate and monitor compliance with the Serious Accidents Punishment Act. Supplier evaluation sheets were also tailored by sourcing group such as equipment, services, and construction, creating a more structured foundation for supplier evaluation and development.

Results

Improved productivity across procurement and supplier management, with strengthened data-driven purchasing competitiveness

POSCO DX increased efficiency and productivity by automating procurement tasks to match more diverse and detailed project structures. The system analyzes purchase requests created in the PMS and performs integrated purchasing for items used across multiple projects, which helped reduce costs. Lead time was also shortened through features such as automatic selection of bidding and re-quotation targets and auto-PO.

Supplier evaluations were improved by conducting performance reviews during project inspection in the PMS and automatically reflecting the results in the procurement system. Despite the growing number of procurement control points, implementing automation across the entire procurement process has reduced time spent on routine tasks and enabled focus on higher-value work.

By integrating PMS and ERP data, POSCO DX can now use large volumes of project information to generate insights and make more strategic procurement decisions, strengthening overall competitiveness.